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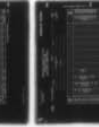
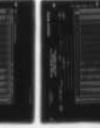
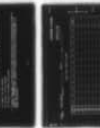
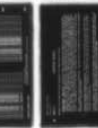
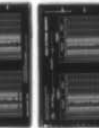
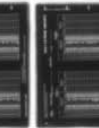
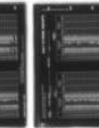
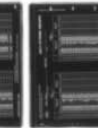
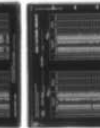
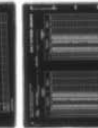
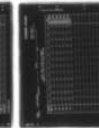
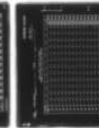
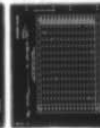
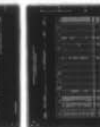
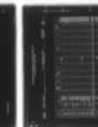
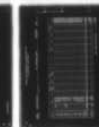
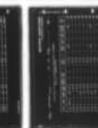
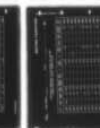
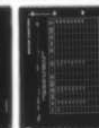
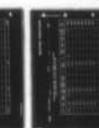
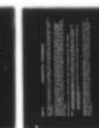
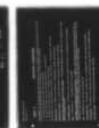
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C  
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), DIEGO G--ETC(U)  
JUL 78

F/G 4/2

UNCLASSIFIED

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1 OF 4  
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Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
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7. AUTHOR(s) N/A		6. PERFORMING ORG. REPORT NUMBER
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11. CONTROLLING OFFICE NAME AND ADDRESS Director, Naval Oceanography and Meteorology National Space Technology Laboratories NSTL Station, MS 39529		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE July 1978
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, Naval shore facility, coastal region, snow depth, cloud cover, Diego Garcia		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/ Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT)	CALL SIGN	WMO NUMBER
70701	Diego Garcia	7°18'S	72°24'E	9	FJDG	61967

## STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARQ LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Island of Mauritius Met. Office	G.B.	1951	1971	7°14'S	72°26'E	7	Unknown	UNK
	Met Van	Navy	1971	Aug 1973	7°42'S	72°24'E	6	Aneroid	*
2.	Air Operations Bldg	"	1973		7°18'S	72°24'E	5	"	24

\* Limited observing program from July 1971 through May 1974 (8 obs/day).  
The observing program became fully operational June 1974 (24 obs/day).

SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	
NUMBER OF LOCATION	DATE OF CHANGE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND
1.	1971	Top of Met Van	UMQ-5	RD-108	17'
2.	1973	Met. Pad (433' SW of Air Ops Bldg)	"	RD-108B	11'

1. Barograph (ML-3)
2. Elec. Psychrometer (ML-450A)
3. Radiosonde (AN/GND-1B)
4. APT (SMQ-6)
5. Semi-auto Met Station (AN/GMQ-14)
6. Ceiling light (ML-121)
7. Theodolite (Shore Type)
8. Thermoscreen (ML-41)
9. Rawinsonde Set (GND 1B)

## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET 1tr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).
2. All available data will be used for extreme values.
3. Summarize (update) every five years.
  - a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
  - b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
  - c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
  - d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSA), Asheville, N. C. welcomes your comment and criticisms.

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## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
  2. By month and annual, all hours and years combined, by wind direction.
  3. By month, all years combined, by standard 3-hour groups.
- Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.



## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than  $5/8$  mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

## WEATHER CONDITIONS

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JAN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	02		14.8				14.8		.6			.6	155
	05		12.9				12.9		.6			.6	155
	08		12.3				12.3						155
	11		14.2				14.2						155
	14		12.3				12.3						155
	17		10.3				10.3						155
	20		12.3				12.3						155
	23	.6	11.0				11.0		.6			.6	155
TOTALS		.1	12.5				12.5		.2			.2	1240

## WEATHER CONDITIONS

FEB  
MONTH

73-77

DIEGO GARCIA

70701  
STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	02		11.3				11.3						141
	05		9.2				9.2						141
	08	.7	10.6				10.6						141
	11		5.7				5.7						141
	14		5.7				5.7						141
	17		9.2				9.2						141
	20		9.9				9.9						141
	23		5.7				5.7						141
TOTALS		.1	8.4				8.4						1128



## WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1988

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	02	.6	12.9				12.9	.6				.6	155
	05		8.4				8.4						155
	08		7.1				7.1						155
	11		5.2				5.2						155
	14		7.1				7.1						155
	17		8.4				8.4						155
	20		4.5				4.5						155
	23		3.9				3.9						155
TOTALS		.1	7.2				7.2	.1				.1	1240

## WEATHER CONDITIONS

APR  
MONTH

YEARS

73-77

STATION NAME

DIEGO GARCIA

70701  
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	02		9.3				9.3						150
	05		10.7				10.7						150
	08	.7	8.7				8.7						150
	11		8.7				8.7						150
	14		10.0				10.0						150
	17		8.0				8.0						150
	20		9.3				9.3						150
	23		10.7				10.7						150
TOTALS		.1	9.4				9.4						1200

## WEATHER CONDITIONS

MAY  
MONTH

73-77

YEARS

STATION NAME

DIEGO GARCIA

70701  
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	02		4.5				4.5						155
	05		7.7				7.7						155
	08		5.2				5.2						155
	11		5.8				5.8						155
	14		5.8				5.8						155
	17		5.8				5.8						155
	20		3.9				3.9						155
	23		4.5				4.5						155
TOTALS			5.4				5.4						1240



## WEATHER CONDITIONS

JUN  
MONTH73-77  
YEARS

70701 DIEGO GARCIA STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	02		4.0				4.0						150
	05		8.0				8.0						150
	08		6.0				6.0						150
	11	.7	4.7				4.7		.7			.7	150
	14		3.3				3.3		.7			.7	150
	17		4.7				4.7		.7			.7	150
	20		2.7				2.7						150
	23		2.7				2.7						150
TOTALS		.1	4.5				4.5		.3			.3	1200

# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1988

70701 STATION DIEGO GARCIA STATION NAME 73-77 YEARS JUL MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	02	1.3	7.7				7.7						155
	05		11.6				11.6						155
	08		5.2				5.2						155
	11		8.4				8.4						155
	14		8.4				8.4		.6			.6	155
	17		7.7				7.7						155
	20		5.8				5.8						155
	23		6.5				6.5						155
TOTALS		.2	7.7				7.7		.1			.1	1260

## WEATHER CONDITIONS

AUG  
MONTH

73-77

YEARS

DIEGO GARCIA

STATION NAME

70701

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	02		5.8				5.8						155
	05		6.5				6.5						155
	08		5.2				5.2		.6			.6	155
	11		4.5				4.5						155
	14		4.5				4.5						155
	17		8.4				8.4						155
	20		7.7				7.7						155
	23		7.1				7.1						155
TOTALS			6.2				6.2		.1			.1	1240



# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1988

SEP  
MONTH

73-77

YEARS

70701 DIEGO GARCIA  
STATION NAME

STATION NAME

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	02	.7	9.3				9.3						150
	05	.7	7.3				7.3						150
	08		8.7				8.7						150
	11		7.3				7.3						150
	14		7.3				7.3						150
	17		8.0				8.0						150
	20		7.3				7.3						150
	23		6.0				6.0						150
TOTALS		.2	7.7				7.7						1200

NAVWEASERVCOM

## WEATHER CONDITIONS

OCT  
MONTH

YEARS

73-77

STATION NAME

DIEGO GARCIA

70701  
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	02		10.3				10.3						155
	05		8.4				8.4						155
	08		7.7				7.7						155
	11	.6	4.5				4.5		.6			.6	155
	14		8.4				8.4		.6			.6	155
	17		5.2				5.2		1.3			1.3	155
	20		7.1				7.1						155
	23	.6	7.1				7.1						155
TOTALS		.2	7.3				7.3		.3			.3	1240

# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 08

NOV  
MONTH

73-77  
YEARS

STATION NAME

DIEGO GARCIA

70701  
STATION

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	02		10.7				10.7						150
	03		11.3				11.3						150
	08		6.0				6.0						150
	11		4.7				4.7						150
	14		10.0				10.0						150
	17		8.7				8.7						150
	20		7.3				7.3						150
	23		8.0				8.0						150
TOTALS			8.3				8.3						1200



## WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

DEC  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	02	.6	11.0				11.0						155
	05		11.6				11.6						155
	08		10.3				10.3						155
	11		7.1				7.1						155
	14		5.2				5.2						155
	17		8.4				8.4						155
	20		5.2				5.2						155
	23	.6	9.7				9.7						155
TOTALS		.2	8.6				8.6						1240

# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1978

70701 STATION DIEGO GARCIA STATION NAME 73-77 YEARS ALL MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.1	12.5				12.5		.2			.2	1240
FEB		.1	8.4				8.4						1128
MAR		.1	7.2				7.2	.1				.1	1240
APR		.1	9.4				9.4						1200
MAY			5.4				5.4						1240
JUN		.1	4.5				4.5		.3			.3	1200
JUL		.2	7.7				7.7		.1			.1	1240
AUG			6.2				6.2		.1			.1	1240
SEP		.2	7.7				7.7						1200
OCT		.2	7.3				7.3		.3			.3	1240
NOV			8.3				8.3						1200
DEC		.2	8.6				8.6						1240
TOTALS		.1	7.8				7.8	.0	.1			.1	14608

# WEATHER CONDITIONS

## ATMOSPHERIC PHENOMENA

ALL MONTH

76-77 YEARS

72, 74, 76

STATION NAME

DIEGO GARCIA

STATION

### PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	3.3	80.3				80.3		4.9			4.9	61
FEB			82.1				82.1						28
MAR			80.6				80.6						31
APR		3.3	75.0				75.0						60
MAY		1.6	62.9				62.9						62
JUN		5.0	68.3				68.3						60
JUL		3.2	79.0				79.0		1.6			1.6	62
AUG		3.2	74.2				74.2						62
SEP			66.7				66.7						60
OCT		1.6	90.3				90.3		3.2			3.2	62
NOV		3.3	76.7				76.7						60
DEC		1.1	75.3				75.3						93
TOTALS		2.1	75.9				75.9		.8			.8	701



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

70701 STATION DIEGO GARCIA STATION NAME JAN 1973-DEC 1977 YEARS JANUARY MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.8	7.3												90.9
NNE														100.0
NE	9.1	13.6												77.3
ENE	12.5	20.8												66.7
E	6.5	3.2												90.3
ESE	2.7	10.8												86.5
SE		18.5												81.5
SSE		7.1												92.9
S	2.6	7.9												89.5
SSW	5.6	19.4												75.0
SW		11.1												88.9
WSW	2.3	7.0												90.7
W	3.3	6.3												90.2
WNW	5.1	14.4	.5											80.0
NW	5.0	7.2						.5						87.8
NNW	3.7	6.5												89.7
VARIABLE														
CALM	1.1	3.6									1.0			92.0
TOTAL	45	109	1					1			3			1082
% TOTAL	3.6	8.8	.1					.1			.2			87.3

TOTAL NUMBER OF OBSERVATIONS 1,240

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 70701 DIEGO GARCIA STATION NAME JAN 1973-DEC 1977 YEARS FEBRUARY MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		10.5												89.5
NNE		8.7												91.3
NE														100.0
ENE														100.0
E		2.6												97.4
ESE	3.4													96.6
SE	3.2													96.8
SSE	9.1													87.9
S	4.4													95.6
SSW	7.1													92.9
SW	8.2													91.8
WSW	11.3													87.5
W	1.2	3.5	.4											94.9
WNW	1.8	9.8	.6											87.8
NW	.8	12.3												86.9
NNW	9.6													90.4
VARIABLE														95.9
CALM		6.1												
TOTAL	10	80	2					1						1032
% TOTAL	.9	7.1	.2					.1						91.8

TOTAL NUMBER OF OBSERVATIONS 1,124

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 70701 DIEGO GARCIA STATION NAME JAN 1973-DEC 1977 YEARS MONTH MARCH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		16.3												83.7
NNE		5.0												95.0
NE		7.1												92.9
ENE														100.0
E														100.0
ESE	2.2	8.7	2.2											87.0
SE		10.7	1.8											87.5
SSE		1.9												98.1
S		5.9	2.4											91.8
SSW		14.1								1.6				84.4
SW	1.7	5.2						1.1						93.1
WSW		6.9												94.3
W	.5	5.2												89.3
WNW		10.7												92.7
NW		7.3												94.7
NNW		5.3												98.0
VARIABLE														
CALM		1.0												
TOTAL	3	82	4					1		1				1149
% TOTAL	.2	6.6	.3					.1		.1				92.7

TOTAL NUMBER OF OBSERVATIONS 1,239



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION 70701 DIEGO GARCIA STATION NAME JAN 1973-DEC 1977 YEARS APRIL MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.9	20.7												72.4
NNE		12.5												87.5
NE		21.4												78.6
ENE		25.0												75.0
E	3.6	14.3												82.1
ESE		8.5												91.5
SE	1.8	3.6						.9						94.6
SSE	.8	3.3												95.9
S		8.7												91.3
SSW		3.3												96.7
SW		3.8												96.2
WSW		1.4												98.6
W		8.8												91.2
WNW		12.5												87.5
NW		11.9												88.1
NNW	9.7	16.1												74.2
VARIABLE														
CALM														
TOTAL	11	101	1					1						1087
% TOTAL	.9	8.4	.1					.1						90.6

TOTAL NUMBER OF OBSERVATIONS 1,200

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

70701  
STATION

DIEGO GARCIA  
STATION NAME

JAN 1973-DEC 1977  
YEARS

MAY  
MONTH

ALL  
HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														90.9
NE		9.1												63.6
ENE	4.6	14.3												81.0
E		8.4												91.6
ESE	.6	3.5												95.8
SE	1.3	2.6												96.0
SSE		4.3												95.7
S	2.0		1.0											97.0
SSW														100.0
SW														100.0
WSW		13.3												86.7
W		22.2												77.8
WNW														100.0
NW		33.3												66.7
NNW														
VARIABLE														
CALM		7.5												92.5
TOTAL	9	57	1											1173
% TOTAL	.7	4.6	.1											94.6

TOTAL NUMBER OF OBSERVATIONS 1,240

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 70701 DIEGO GARCIA STATION NAME JAN 1973-DEC 1977 YEARS MONTH JUNE ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE														60.0
ENE														88.9
E														94.9
ESE														95.1
SE														96.6
SSE														95.4
S														93.2
SSW														94.1
SW														75.0
WSW														100.0
W														93.8
WNW														100.0
NW														100.0
NNW														100.0
VARIABLE														100.0
CALM														100.0
TOTAL	8	46						1						1143
% TOTAL	.7	3.8						.1						95.3

TOTAL NUMBER OF OBSERVATIONS 1,200



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

70701

DIEGO GARCIA

STATION NAME

JAN 1973-DEC 1977

YEARS

JULY

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		100.0												100.0
NNE														100.0
NE														100.0
ENE	16.7	16.7						1.5						66.7
E	3.0	16.4												80.6
ESE	.3	9.1												90.2
SE	2.0	3.4						.2						94.5
SSE	1.3	4.6	.3											93.8
S		5.8												94.2
SSW	20.0	20.0												60.0
SW														100.0
WSW														
W														
WNW														
NW														
NNW														100.0
VARIABLE														100.0
CALM														
TOTAL	19	73	1					2						1144
% TOTAL	1.3	6.0	.1					.2						92.3

TOTAL NUMBER OF OBSERVATIONS

1,240

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

70701  
STATION

DIEGO GARCIA

STATION NAME

JAN 1973-DEC 1977

YEARS

AUGUST

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE														90.0
ENE														77.8
E	2.6	7.8												89.6
ESE	.4	4.2												95.3
SE	2.0	5.5									.3			92.2
SSE	1.9	3.8												94.3
S		1.8												98.2
SSW														100.0
SW														
WSW		33.3												66.7
W														
WNW														
NW		100.0												
NNW		50.0												50.0
VARIABLE														
CALM	25.0													75.0
TOTAL	18	59												1162
% TOTAL	1.5	4.8										1		93.7

1,240

TOTAL NUMBER OF OBSERVATIONS

NAYWEASERVCOM

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION **70701** NAME **DIEGO GARCIA** DATE **JAN 1973-DEC 1977** MONTH **SEPTEMBER** ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " FELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE	9.1	9.1												81.8
ENE		28.6												71.4
E	3.3	15.0						3.3						81.7
ESE		8.5												91.5
SE	5	5.1												94.5
SSE	4	4.6												95.0
S	1.1	7.4												91.5
SSW	12.5	18.8												68.8
SW		8.3												91.7
WSW														100.0
W		18.8												81.3
WNW														100.0
NW	25.0													75.0
NNW		14.3												85.7
VARIABLE														
CALM	2.3	2.3												95.3
TOTAL	11	81						2						1108
% TOTAL	9.3	6.8						.2						92.3

TOTAL NUMBER OF OBSERVATIONS **1,200**



# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

70701 STATION NAME DIEGO GARCIA JAN 1973-DEC 1977 YEARS MONTH OCTOBER ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		35.7									7.1			57.1
NNE		28.6									4.8			66.7
NE		7.7									7.7			84.6
ENE	3.4	17.2												79.3
E		12.4												87.6
ESE		6.8												93.2
SE		5.8												94.2
SSE	.5	2.7												96.8
S	.5	3.2						.5						95.7
SSW		5.8						4.0						94.2
SW		4.0												92.0
WSW		8.7												91.3
W		3.7												96.3
WNW		11.1												83.3
NW		9.1									5.6			90.9
NNW		22.2												77.8
VARIABLE														
CALM		17.4												82.6
TOTAL	3	88						2			4			1143
% TOTAL	.2	7.1						.2			.3			92.2

TOTAL NUMBER OF OBSERVATIONS 1,240

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 70701 DIEGO GARCIA STATION NAME JAN 1973-DEC 1977 YEARS NOVEMBER MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET ICE SHOWERS CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.1	28.1												68.8
NNE		15.0												85.0
NE		16.7												83.3
ENE		4.0												96.0
E		6.5												93.5
ESE	.7	7.0												92.3
SE	1.0	4.9												94.1
SSE		4.6												95.6
S		4.4												95.6
SSW														100.0
SW		7.4												92.6
WSW		5.3												94.7
W		15.2												84.8
WNW		11.1												88.9
NW		13.3												86.7
NNW		25.9												74.1
VARIABLE														82.9
CALM	1.4	14.6												
TOTAL	5	95												1100
% TOTAL	.4	7.9												91.7

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

70701 DIEGO GARCIA JAN 1973-DEC 1977 DECEMBER ALL  
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		17.0						2.1						80.9
NNE		5.0												95.0
NE	5.0	5.0												90.0
ENE														100.0
E		4.1												95.9
ESE		2.1												97.9
SE	1.7	3.4												94.9
SSE		7.0												93.0
S	1.4	6.9												91.7
SSW		2.4												97.6
SW		4.3												95.3
WSW		13.1						1.6						86.9
W	.6	10.3												89.0
WNW		4.9												95.1
NW		12.1												87.9
NNW	1.1	20.2												78.7
VARIABLE														
CALM		1.6												96.4
TOTAL	5	101						2						1133
% TOTAL	.4	8.1						.2						91.4

TOTAL NUMBER OF OBSERVATIONS 1,240



# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

70701  
STATION

DIEGO GARCIA  
STATION NAME

JAN 1973-DEC 1977  
YEARS

ALL  
MONTH

ALL  
HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.5	16.4						.4			.4			81.3
NNE		8.8									.6			90.6
NE	2.7	13.3									.7			83.3
ENE	2.4	12.7												84.9
E	1.1	8.4						.3						90.4
ESE	.6	6.0	.1								.1			93.3
SE	1.2	4.3	.0					.1			.1			94.3
SSE	.3	4.2	.0					.0						95.0
S	.3	4.9	.2					.1						94.3
SSW	1.2	7.4								.2				91.1
SW	.3	6.3						.3						93.1
WSW	.6	7.7						.4						91.6
W	1.3	7.0	.1					.1						91.6
WNW	1.8	10.5	.3					.1			.1			87.3
NW	1.3	10.3												88.2
NNW	1.9	12.3												85.9
VARIABLE														
CALM	<del>1.6</del>	<del>8.6</del>	<del>.1</del>											<del>92.3</del>
TOTAL	147	974	10					13		1	12			13456
% TOTAL	1.0	6.7	.1					.1		.0	.1			92.1

TOTAL NUMBER OF OBSERVATIONS

14,603

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## PART B      PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

70701 STATION DIEGO GARCIA STATION NAME 72-77 YEARS

5722 Daily Amounts Jan. 1969

PRECIP. SNOWFALL SNOW- DEPTH	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
																MEAN	GREATEST	LEAST
JAN	22.0	9.1	4.3	10.2	7.5	12.9	11.8	11.8	7.0	3.2				68.8	186	11.5	27.32	4.09
FEB	29.4	8.2	3.5	15.3	6.5	9.4	8.8	10.0	7.1	1.8				62.4	170	7.85	17.14	2.77
MAR	28.4	15.5	1.3	7.1	6.5	14.8	8.4	9.0	7.7	1.3				56.1	155	8.56	15.67	4.61
APR	25.0	11.1	4.4	10.0	9.4	9.4	13.9	7.8	7.8	1.1				63.9	180	8.52	17.75	4.90
MAY	41.9	9.0	11.0	12.3	5.8	7.1	5.2	3.2	4.5					49.0	155	4.29	9.11	1.00
JUN	36.1	15.0	3.3	10.0	7.8	12.2	6.1	3.9	4.4	1.1				48.9	180	5.10	11.07	1.06
JUL	25.3	12.4	8.1	17.7	9.1	11.3	7.5	4.3	3.8	.5				62.4	186	5.16	9.84	2.39
AUG	34.9	17.7	8.1	12.4	4.8	10.2	5.9	2.7	2.2	.5	.5			47.3	186	4.57	17.00	.15
SEP	35.3	16.0	6.0	10.0	6.0	8.0	7.3	4.0	4.7	1.3	1.3			48.7	150	8.54	13.98	1.52
OCT	31.2	14.5	5.9	8.1	4.3	9.7	11.8	7.0	5.9	1.6				54.3	186	7.28	12.45	1.64
NOV	28.0	6.7	3.3	10.7	10.7	9.3	10.7	12.0	6.7	2.0				65.3	150	8.77	11.22	2.61
DEC	28.0	9.7	2.7	7.5	10.2	10.2	9.1	15.1	7.5					62.4	186	8.99	15.06	4.89
ANNUAL	30.5	12.1	5.2	10.9	7.4	10.4	8.9	7.6	5.8	1.2	.1			57.5	2070	8.9	14	



# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

70701 STATION DIEGO GARCIA STATION NAME 72-77 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-10	11-25	26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0													186	.0	.0	.0	
FEB	100.0													170	.0	.0	.0	
MAR	100.0													155	.0	.0	.0	
APR	100.0													180	.0	.0	.0	
MAY	100.0													186	.0	.0	.0	
JUN	100.0													180	.0	.0	.0	
JUL	100.0													186	.0	.0	.0	
AUG	100.0													186	.0	.0	.0	
SEP	100.0													150	.0	.0	.0	
OCT	100.0													186	.0	.0	.0	
NOV	100.0													150	.0	.0	.0	
DEC	100.0													186	.0	.0	.0	
ANNUAL	100.0													2101	.0			

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

70701 STATION DIEGO GARCIA STATION NAME 72-77 YEARS

5722 Daily Amounts 1969

AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	100.0													186					
FEB	100.0													170					
MAR	100.0													155					
APR	100.0													180					
MAY	100.0													186					
JUN	100.0													180					
JUL	100.0													186					
AUG	100.0													186					
SEP	100.0													150					
OCT	100.0													186					
NOV	100.0													150					
DEC	100.0													186					
ANNUAL	100.0													2101					

NAVWEASERVCOM

# EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

51-77

DIEGO GARCIA

STATION NAME

STATION

YEARS

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51	3.78	2.00	3.04	4.10	.73	1.46	.94	1.22	3.00	2.08	3.07	3.48	
52	2.76	1.84	1.00	1.25	1.00	5.03	7.82	.96	1.92	2.75	2.37		
53	3.08	2.44	.63	1.32	1.00	3.03	3.84		4.37	1.93	1.44	3.19	
54	3.24	1.34	2.06	1.97	2.37	2.06	1.06	1.96	1.25	2.13	.91	1.17	3.08
55	2.15	3.26	2.31	1.36	4.13	.85	2.80	12.94	2.11	4.41	1.85	2.52	12.94
56	4.26	2.77	2.11	1.69	.82	1.94	.54	.30	.22	7.47	1.18	1.03	7.47
57	1.39	2.38	1.36	4.76	1.67	5.05	6.03	5.84	.78		1.22	3.08	
58	5.33	1.74	4.54	1.57	2.09	2.84	3.10	3.48	4.83	2.49	2.64	2.13	4.83
59	1.51	2.91	2.38	1.43	2.33	1.70	.83	1.36	.92	3.53	1.03	3.23	5.33
60	1.03	2.09	3.95	1.04	2.33	3.55	.24	1.24	.86	2.37	6.00	1.94	6.00
61	3.19	2.77	2.19	4.17	1.52	1.59	1.23	1.67	3.67	1.75	.28	3.69	3.95
62	4.11	4.24	2.05	.87	1.20	4.69	.39	1.35	3.10	2.47	1.35		
63	1.90	3.10	2.21	2.09	2.44	2.05	5.23	6.95	3.71	4.24	2.62	2.25	14.81
64	1.49	2.39	1.34	.88	3.11	1.92	1.06	1.29	1.76	2.29	1.81	1.62	3.10
65	2.64	2.84	1.20	2.15	2.08	.57	1.37	.79	1.74	5.29	1.65	2.20	5.29
66	2.35	6.13	2.03	1.00	1.73	1.44	1.56	15.75	1.77	3.01	1.73	2.46	15.75
67	2.75	1.97	2.83	1.53	1.89	.34	2.75	4.74	4.08	2.25		5.02	
68	3.85	1.77	1.13	1.07	6.37	1.30	.61	.30	4.84		1.73	2.19	
69	2.40	1.06	1.09	2.08	2.75	1.07	.41	4.15	1.58	3.70	1.31	3.71	6.57
70	2.44	2.96	2.12	2.01	.52	3.07	2.11	.41	4.13	5.20	2.44	1.69	5.20
71	2.78	3.79	2.78	.88	2.15	1.84	.89	.24	2.55	1.54	4.15	1.02	4.15
72	2.27	2.53	3.35	2.08	.41	.40	2.02	.49	6.55	2.56	3.47	2.18	6.55
73	1.21	1.30	2.27	3.58	1.06	1.36	1.02	.10	6.38	1.36	1.27	.95	6.38
74	3.02	.56	1.33	1.52	1.38	.77	1.38	.73	.73	1.03	.75	1.77	3.58
75	.96	1.81		1.07	1.38	2.53	4.35	.81	3.84	1.05	2.63	.92	4.35
76	3.67	1.37	1.73	1.95	2.23	.65	.65	6.70	1.84	3.09	2.84	1.13	
77						.95	.95	1.42		2.56	1.74	2.40	
MEAN	2.68	2.37	2.12	1.88	2.45	2.12	2.04	2.98	2.80	2.90	2.06	2.28	6.63
S. D.	1.088	1.158	.935	1.062	2.820	1.307	1.912	3.926	1.746	1.491	1.202	1.041	3.856
TOTAL OBS.	806	763	775	810	806	810	837	806	780	775	780	775	9523



**PRECIPITATION**  
(FROM DAILY OBSERVATIONS)

51-77

**DIEGO GARCIA**

STATION NAME

**YEARS**

24 HOUR AMOUNTS IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

# EXTREME VALUES

70701 STATION DIEGO GARCIA STATION NAME 52, 54-55, 64-65, 68, 72-77 YEARS  
 SNOWFALL  
 (FROM DAILY OBSERVATIONS)

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S. D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	186	170	153	180	186	180	186	186	150	186	180	186	2131

# EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

70701 DIEGO GARCIA STATION NAME

70701

DIEGO GARCIA

STATION

52

54-55, 64-65, 68

YEARS

72-77

24 HOUR AMOUNTS IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
52	0	0	0	0	0	0	0	0	0	0	1 <sup>0</sup>	0	SNOWFALL DAYS
53	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
54	0	0	0	0	0	0	0	0	0	1 <sup>0</sup>	0	0	SNOWFALL DAYS
55	0	0	0	1 <sup>0</sup>	0	0	0	0	0	0	0	0	SNOWFALL DAYS
56	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
57	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
58	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
59	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
60	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
61	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
62	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
63	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
64	1 <sup>0</sup>	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
65	0	0	0	0	0	0	0	1 <sup>0</sup>	0	0	0	0	SNOWFALL DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5223 Extreme Values Jan 1969



● 2 11

# EXTREME VALUES

SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION 70701 DIEGO GARCIA STATION NAME 72-77 YEARS

## DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S. D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	186	170	155	180	186	180	186	186	150	186	180	186	2131

NAYWEASERVCOM

5723 Extreme Values Jan 1969

# EXTREME VALUES

SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

70701 DIEGO GARCIA STATION NAME 72-77 YEARS

DAILY SNOW DEPTH IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
52	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
53	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
54	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
55	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
56	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
57	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
58	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
59	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
60	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
61	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
62	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
63	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
64	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
65	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969



## 2

(FROM DAILY OBSERVATIONS)

STATION NAME

**YEARS**

5723 Extreme Values Jan 1969

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

70701  
STATION

DIEGO GARCIA  
STATION NAME

1972-1977  
YEARS

JANUARY  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.90	48	1977			
2	1.80	46	1977			
3	0.70	18	1976			
4	1.88	48	1977			
5	3.11	79	1977			
6	1.13	29	1977			
7	1.37	35	1977			
8	2.78	71	1972			
9	0.18	5	1972			
10	0.98	25	1972			
11	1.57	40	1977			
12	1.28	33	1977			
13	0.53	13	1972			
14	0.86	22	1973			
15	0.41	10	1973			
16	1.62	41	1973			
17	0.38	10	1973			
18	0.50	13	1973			
19	0.53	13	1972			
20	0.93	24	1977			
21	3.08	78	1977			
22	3.02	77	1975			
23	3.00	76	1977			
24	1.21	31	1974			
25	3.67	93	1977			
26	0.34	9	1975			
27	0.34	9	1977			
28	1.42	36	1973			
29	0.23	6	1973			
30	0.23	6	1972			
31	0.90	23	1975			
Monthly	3.67	93	1977			

\* ALSO ON EARLIER YEARS

T - TRACE - AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

# DAILY EXTREME AMOUNTS

1972-1977  
YEARS

FEBRUARY  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.24	31	1977			
2	1.98	50	1972			
3	0.90	23	1972			
4	0.90	23	1973			
5	0.62	16	1973			
6	0.68	17	1972			
7	0.96	24	1972			
8	1.15	29	1973			
9	0.58	15	1973			
10	1.26	32	1973			
11	0.10	3	1975			
12	2.53	64	1973			
13	1.30	33	1974			
14	1.21	31	1977			
15	0.54	14	1977			
16	0.42	11	1975			
17	0.13	3	1976			
18	0.52	13	1972			
19	0.30	8	1976			
20	1.81	46	1976			
21	0.93	24	1977			
22	1.37	35	1977			
23	1.17	30	1974			
24	2.81	71	1972			
25	1.50	38	1976			
26	1.03	26	1972			
27	0.80	20	1972			
28	3.79	96	1972			
29	0.68	17	1972			
30						
31						
Monthly	3.79	96	1972			

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

70701  
STATION

DIEGO GARCIA  
STATION NAME

1972-1977

YEARS

# DAILY EXTREME AMOUNTS

MARCH  
MONTH

APRIL  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.24	6	1973			
2	1.03	26	1973			
3	1.73	44	1977			
4	0.37	9	1973			
5	1.15	29	1972			
6	0.85	22	1972			
7	1.07	27	1973			
8	0.44	11	1975			
9	1.36	35	1974			
10	1.33	34	1975			
11	3.35	85	1973			
12	1.45	37	1973			
13	1.67	42	1973			
14	0.07	2	1972			
15	0.52	13	1972			
16	0.08	2	1974			
17	0.79	20	1974			
18	0.30	8	1973			
19	T	T	1977*			
20	0.88	22	1973			
21	0.68	17	1972			
22	2.78	71	1972			
23	0.83	21	1973			
24	0.08	2	1973			
25	0.01		1972			
26	0.28	7	1977			
27	2.27	58	1974			
28	1.42	36	1974			
29	0.26	7	1974			
30	0.35	9	1973			
31	1.46	37	1972			
Monthly	3.35	85	1973			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.48	38	1977			
2	0.92	23	1974			
3	0.42	11	1975			
4	0.88	22	1972			
5	1.19	30	1974			
6	0.62	16	1977			
7	3.58	91	1974			
8	1.01	26	1975			
9	1.70	43	1974			
10	0.91	23	1977			
11	0.83	21	1976			
12	0.91	23	1977			
13	0.39	10	1977*			
14	0.44	11	1976			
15	1.62	41	1974			
16	0.38	10	1977			
17	0.28	7	1973			
18	1.44	37	1974			
19	2.08	53	1973			
20	1.95	50	1977			
21	0.31	8	1974*			
22	1.39	35	1974			
23	3.20	81	1974			
24	0.34	9	1975			
25	0.09	2	1977*			
26	0.15	4	1974			
27	0.06	2	1972			
28	0.50	13	1973			
29	0.05	1	1974			
30	0.32	8	1977			
31						
Monthly	3.58	91	1974			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

70701

DIEGO GARCIA

STATION NAME

1972-1977

YEARS

MAY

MONTH

JUNE

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.07	2	1977			
2	2.15	55	1972			
3	0.23	6	1977			
4	0.16	4	1972			
5	1.58	40	1975			
6	0.91	23	1977			
7	0.02	1	1977			
8	0.06	2	1977			
9	0.01		1974			
10	0.09	2	1977			
11	0.08	2	1972			
12	0.17	4	1977			
13	1.06	27	1974			
14	1.03	26	1974			
15	0.40	10	1975			
16	0.31	8	1977			
17	0.03	1	1975			
18	0.02	1	1975			
19	0.04	1	1973			
20	2.23	57	1977			
21	0.49	12	1972			
22	T	T	1975			
23	0.66	17	1977			
24	0.72	18	1975			
25	1.02	26	1977			
26	2.04	52	1977			
27	0.97	25	1976			
28	0.13	3	1974			
29	0.23	6	1976			
30	0.20	5	1974			
31	0.26	7	1972			
Monthly	2.23	57	1977			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.44	11	1972			
2	0.44	11	1972			
3	0.20	5	1975			
4	1.12	28	1976			
5	0.11	3	1976			
6	0.86	22	1976			
7	0.31	8	1975			
8	1.36	35	1974			
9	0.22	6	1975			
10	0.15	4	1976			
11	0.06	2	1972			
12	0.62	16	1972			
13	0.37	9	1977			
14	0.13	3	1975			
15	0.98	25	1972			
16	0.46	12	1976			
17	0.40	10	1973			
18	1.01	26	1976			
19	2.53	64	1976			
20	2.17	55	1976			
21	0.11	3	1976			
22	1.10	28	1972			
23	0.62	16	1972			
24	0.38	10	1974			
25	2.79	71	1977			
26	1.16	29	1976			
27	1.02	26	1976			
28	0.38	10	1977			
29	T	T	1975			
30	0.03	1	1976			
31						
Monthly	2.79	71	1977			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

70701  
STATION

DIEGO GARCIA  
STATION NAME

1972-1977

YEARS

# DAILY EXTREME AMOUNTS

JULY  
MONTH

AUGUST  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.24	6	1974			
2	0.54	14	1976			
3	0.69	18	1974			
4	0.34	9	1975			
5	0.11	3	1973			
6	1.02	26	1973			
7	0.43	11	1974			
8	0.22	6	1972			
9	0.78	20	1977			
10	0.08	2	1973			
11	0.12	3	1976			
12	1.12	28	1975			
13	0.36	9	1973			
14	2.02	51	1972			
15	1.87	47	1972			
16	1.38	35	1974			
17	0.47	12	1974			
18	0.39	10	1974			
19	4.35	110	1975			
20	0.95	24	1977			
21	0.89	23	1977			
22	1.01	26	1975			
23	0.12	3	1974			
24	0.31	8	1977			
25	0.24	6	1977			
26	0.69	18	1975			
27	0.13	3	1977			
28	0.05	1	1976			
29	0.48	12	1977			
30	0.22	6	1976			
31	0.67	17	1977			
Monthly	4.35	110	1975			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.53	13	1976			
2	0.19	5	1976			
3	0.39	10	1976			
4	0.52	13	1975			
5	0.04	1	1972			
6	0.18	5	1977			
7	0.01		1976*			
8	1.21	31	1976			
9	0.81	21	1975			
10	0.14	4	1975			
11	0.04	1	1972			
12	0.03	1	1972			
13	0.05	1	1977			
14	0.16	4	1972			
15	0.45	11	1977			
16	1.29	33	1976			
17	1.42	36	1977			
18	0.23	6	1975			
19	0.73	19	1974			
20	6.70	170	1976			
21	1.20	30	1976			
22	0.04	1	1972			
23	0.31	8	1972			
24	3.50	89	1976			
25	0.12	3	1976			
26	0.94	24	1976			
27	0.17	4	1976			
28	0.26	7	1972			
29	0.41	10	1975			
30	0.12	3	1975			
31	0.39	10	1972			
Monthly	6.70	170	1976			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

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DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

70701  
STATION

DIEGO GARCIA  
STATION NAME

1972-1977

YEARS

SEPTEMBER  
MONTH

OCTOBER  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.03	1	1975			
2	1.13	29	1972			
3	0.01		1972			
4	0.13	3	1973			
5	0.99	25	1976			
6	0.37	9	1975			
7	0.25	6	1972			
8	0.02	1	1975			
9	0.31	8	1975			
10	0.73	19	1974			
11	0.10	3	1975			
12	0.39	10	1976			
13	0.25	6	1973			
14	0.08	2	1974			
15	3.26	83	1973			
16	6.36	162	1973			
17	6.35	166	1972			
18	3.84	98	1975			
19	0.99	25	1975			
20	0.21	5	1975			
21	0.45	11	1975			
22	1.61	41	1976			
23	0.08	2	1976			
24	0.28	7	1976			
25	0.87	22	1973			
26	1.40	36	1975			
27	1.30	33	1975			
28	0.01		1976			
29	0.82	21	1976			
30	1.84	47	1976			
31						
Monthly	6.55	166	1972			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.63	16	1977			
2	2.58	66	1977			
3	1.36	35	1973			
4	1.13	29	1976			
5	0.36	9	1976			
6	1.72	44	1976			
7	1.77	45	1977			
8	0.30	8	1975			
9	0.24	6	1977			
10	1.19	30	1977			
11	0.33	8	1976			
12	0.31	8	1977			
13	0.84	21	1975			
14	0.89	23	1977			
15	1.05	27	1975			
16	0.63	16	1972			
17	0.58	15	1977			
18	0.35	9	1977			
19	0.02	1	1973			
20	0.49	12	1977			
21	0.91	23	1977			
22	2.56	65	1972			
23	1.15	29	1972			
24	0.61	15	1977			
25	0.54	14	1976			
26	1.38	35	1976			
27	3.09	78	1976			
28	0.23	6	1974			
29	1.03	26	1974			
30	0.13	3	1976			
31	0.21	5	1976			
Monthly	3.09	78	1976			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

70701  
STATION

DIEGO GARCIA  
STATION NAME

NOVEMBER  
MONTH

YEARS

1972-1977

DECEMBER  
MONTH

# DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.11	28	1975			
2	0.36	9	1977			
3	0.06	2	1977			
4	0.44	11	1976			
5	0.75	19	1974			
6	1.17	30	1977			
7	1.16	29	1977			
8	0.60	15	1972			
9	0.54	14	1972			
10	0.40	10	1976			
11	0.23	6	1975			
12	1.54	39	1976			
13	0.09	2	1972			
14	0.70	18	1975			
15	2.84	72	1976			
16	1.37	35	1976			
17	0.78	20	1976			
18	0.16	4	1974			
19	0.59	15	1977			
20	0.50	13	1972			
21	0.51	13	1976			
22	3.47	88	1972			
23	0.09	2	1976			
24	0.85	22	1975			
25	0.81	21	1975			
26	2.63	67	1975			
27	0.57	14	1977			
28	1.74	44	1977			
29	1.50	38	1975			
30	0.70	18	1976			
31						
Monthly	3.47	88	1972			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.85	22	1977			
2	0.57	14	1975			
3	0.92	23	1975			
4	0.60	15	1974			
5	0.57	14	1974			
6	1.19	30	1977			
7	0.25	6	1975			
8	0.76	19	1974			
9	1.08	27	1974			
10	0.51	13	1973			
11	0.92	23	1976			
12	0.84	21	1976			
13	0.74	19	1973			
14	2.18	55	1972			
15	1.76	45	1972			
16	0.97	25	1974			
17	0.30	8	1972			
18	0.19	5	1972			
19	0.68	17	1975			
20	2.40	61	1977			
21	1.40	36	1977			
22	2.02	51	1977			
23	0.86	22	1974			
24	1.25	32	1977			
25	1.04	26	1972			
26	0.36	9	1974			
27	1.38	35	1977			
28	0.63	16	1977			
29	2.06	52	1972			
30	0.54	14	1977			
31	0.48	12	1975			
Monthly	2.40	61	1977			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

**SURFACE WINDS**  
(FROM DAILY OBSERVATIONS)

**DIEGO GARCIA**

STATION	70701
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STATION NAME

**YEARS**

5723 Extreme Values Jan 1969

NAVWEASERVCOM



# EXTREME VALUES

SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

72-77

DIEGO GARCIA

STATION NAME

STATION

YEARS

DAILY PEAK GUSTS IN KNOTS  
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
52	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
53	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
54	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
55	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
56	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
57	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
58	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
59	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
60	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
61	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
62	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
63	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
64	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
65	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

194047

**SURFACE WINDS**  
(FROM DAILY OBSERVATIONS)

72-77

**DIEGO GARCIA**

YEARS

DAILY PEAK GUSTS IN KNOTS  
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

[illegible]

NAVWEASERVCOM

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

02

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	2.6									5.2	6.5
NNE	.6	1.3	.6									2.6	5.0
NE		.6										.6	4.0
ENE	.6	.6	.6									1.9	6.0
E	.6	1.3	.6									2.6	5.3
ESE	1.3	.6	.6	.6								3.2	7.6
SE	1.3	1.3	.6									3.2	4.2
SSE													
S		.6	.6									1.3	7.0
SSW		.6	.6									1.3	7.5
SW		.6		.6								1.3	10.5
WSW	2.6	1.3	.6	1.9								6.5	6.7
W	3.2	7.7	5.2	3.9	.6							20.6	7.2
WNW	1.3	6.5	4.5	2.6	1.3							16.1	8.4
NW	1.3	1.9	3.2	5.2	1.3							12.9	9.9
NNW	2.6	2.6	2.6	.6								8.4	5.9
VARBL													
CALM												12.3	
	16.8	29.0	22.6	15.5	3.9							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

05  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9	1.3									4.5	5.6
NNE		.6										.6	6.0
NE	.6	1.3	.6									2.6	5.5
ENE		.6	.6									1.3	6.5
E			.6	.6								1.3	11.0
ESE	1.9	.6		.6								3.2	5.2
SE				.6								.6	12.0
SSE	1.9	.6										2.6	2.8
S	1.3	1.3	1.3									3.9	5.0
SSW	1.3	.6		.6								2.6	6.0
SW	1.9	.6	1.3									3.9	4.8
WSW	1.3	1.9	1.9									5.2	5.3
W	2.6	5.2	7.7	5.2	1.9							22.6	6.9
WNW	3.2	1.9	1.9	5.8	.6							13.5	9.5
NW	.6	6.5	1.9	.6								9.7	5.7
NNW		1.9	3.9	1.9								7.7	8.2
YARL													
CALM												14.2	
	18.1	25.8	23.2	16.1	2.6							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JAN

MONTH

ALL WEATHER  
CLASS

08

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.3	.6	.6								4.5	6.0
NNE		1.9	.6									2.6	5.8
NE		.6										.6	5.0
ENE		.6	1.3									1.9	8.0
E	.6	1.3	.6	1.3								3.9	7.8
ESE	1.3	.6	1.3									3.2	5.4
SE			.6									.6	8.0
SSE	3.2	3.2	.6									7.1	4.2
S	1.3	1.3		.6								3.2	5.0
SSW	.6	.6										1.3	3.5
SW	.6	1.3	.6	.6								3.2	6.8
WSW	.6	3.9	.6	1.3	1.3							7.7	8.5
W	2.6	7.7	7.7	3.9	.6							22.6	7.7
WNW		1.3	2.6	7.7								11.6	11.1
NW	.6	1.9	3.2	1.9								7.7	8.0
NNW	1.9	2.6	5.8	.6								11.0	6.6
VARBL													
CALM												7.1	
	15.5	30.3	26.5	18.7	1.9							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JAN

MONTH

ALL WEATHER

CLASS

11

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	1.3									2.6	6.8
NNE	1.3	2.6		.6								4.5	5.4
NE	.6	1.3										1.9	4.7
ENE		.6	2.6	.6								3.9	8.0
E	.6	1.9	.6									3.2	5.6
ESE		1.3										1.3	5.0
SE		1.3	1.9		.6							3.9	8.3
SSE		.6	.6									1.3	7.5
S		.6	1.3									1.9	8.0
SSW	1.3	1.3	1.3									3.9	4.5
SW	2.6	.6	.6	.6								3.9	4.2
WSW	2.6	2.6	3.9	1.3								10.3	6.6
W	1.3	5.8	9.0	6.5	.6							23.2	9.1
WNW	.6	3.9	3.9	3.9	1.3	.6						14.2	10.5
NW	.6	1.9	3.2	4.5								10.3	10.1
NNW		1.9	4.5	.6								7.1	8.7
VARBL													
CALM												2.6	
	11.6	29.7	34.2	18.7	2.6	.6						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JAN  
MONTH

ALL WEATHER

CLASS

14

MOORE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.6	1.3									4.5	5.1
NNE		.6										.6	4.0
NE	1.3		1.9									3.2	5.6
ENE		1.9	1.3	.6								3.9	7.8
E		1.9	1.3									3.2	7.0
ESE		.6	.6									1.3	7.0
SE		.6	.6									1.3	6.5
SSE			1.9									1.9	9.0
S	1.3	1.3										2.6	3.3
SSW	.6	2.6	1.3	1.3								5.8	7.2
SW		1.9	.6	1.3								3.9	8.0
WSW	.6	3.2	1.9	.6								6.5	6.6
W	1.3	6.5	7.7	5.8								21.3	8.5
WNW	.6	4.5	4.5	11.0								20.6	10.3
NW	.6	1.3	6.5	2.6	1.3							12.3	9.9
NNW		1.9	2.6	2.6								7.1	9.6
VARBL													
CALM												.0	
	7.1	31.6	34.2	25.8	1.3							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

155

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

17

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9	.6	.6								4.5	6.1
NNE	.6		.6									1.3	6.5
NE	.6	1.3	.6	.6								3.2	6.4
ENE		.6										.6	4.0
E	1.3	1.3	.6									3.2	5.0
ESE	1.3	3.2										4.5	4.0
SE		1.3	.6									1.9	7.0
SSE		.6										.6	4.0
S	.6	3.2										3.9	6.7
SSW	2.6	.6	.6									3.9	3.3
SW	1.9	1.3	.6	.6								4.5	5.4
WSW	.6	2.6	4.5	.6								8.4	7.2
W	1.9	3.9	8.4	5.8	1.3							21.3	9.1
WNW	1.9	3.2	3.9	7.1	.6							16.8	9.6
NW		1.3	5.2	3.2	.6	.6						11.0	11.0
NNW	1.3	2.6	3.9	1.3								9.0	7.6
VARBL													
CALM												1.3	
	16.1	29.0	30.3	20.0	2.6	.6						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JAN  
MONTH

20

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.3	.6	.6								5.2	5.3
NNE		1.3	.6									1.9	5.7
NE		1.3		.6								1.9	6.3
ENE		.6										.6	5.0
E	.6											.6	2.0
ESE	1.3	1.9		.6								3.9	6.0
SE	1.9	.6	.6									3.2	3.8
SSE	1.3	.6										1.9	3.3
S	3.9	.6										4.5	2.6
SSW	.6	.6										1.3	4.0
SW	2.6	1.3	.6	.6								5.2	5.4
WSW	1.3	1.3	3.9									6.5	6.4
W	1.9	4.5	7.1	4.5	1.3							19.4	8.8
WNW	2.6	3.9	7.1	3.9		.6						18.1	8.5
NW	2.6	3.2	3.9	1.3								11.0	6.6
NNW	1.9	3.9	2.6									8.4	5.8
VARBL													
CALM												6.5	
	25.2	27.1	27.1	12.3	1.3	.6						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JAN

MONTH

ALL WEATHER

CLASS

23

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.6	.6									4.3	4.4
NNE	1.3	1.3										3.2	3.4
NE		1.3											
ENE		1.3										1.3	4.5
E	.6	1.3										1.9	4.0
ESE	.6	1.3	1.3									3.2	5.4
SE	1.9			.6								2.6	4.3
SSE	1.9		.6									2.6	3.3
S	1.3	1.3	.6									3.2	4.6
SSW	1.3		.6	.6								3.2	9.2
SW	1.3		1.9									3.2	5.6
WSW	.6	1.9	1.3	.6								4.3	6.7
W	3.9	4.5	2.6	3.2								14.2	6.4
WNW	1.3	4.5	4.5	2.6	1.9							14.8	8.7
NW	2.6	4.5	3.9	3.9								14.8	7.7
NNW	3.2	3.2	3.2	.6								10.3	5.8
VARBL													
CALM												12.3	
	23.9	27.7	21.3	12.3	2.6							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.8	1.1	.2								4.4	5.7
NNE	.6	1.2	.3	.1								2.2	5.1
NE	.4	.8	.4	.2								1.8	5.6
ENE	.1	.9	.8	.2								1.9	7.0
E	.6	1.1	.6	.2								2.5	6.2
ESE	1.0	1.3	.4	.2	.1							3.0	5.6
SE	.6	.6	.6	.2	.1							2.2	6.0
SSE	1.0	.7	.5									2.3	4.5
S	1.2	1.3	.5	.1								3.1	4.6
SSW	1.0	.9	.6	.3	.1							2.9	5.9
SW	1.4	1.0	.7	.6								3.6	5.9
WSW	1.3	2.3	2.3	.8	.2							6.9	6.8
W	2.3	5.7	6.9	4.8	.8							20.6	8.3
WNW	1.5	3.7	4.1	5.6	.7	.2						15.7	9.5
NW	1.1	2.8	3.9	2.9	.4	.1						11.2	8.7
NNW	1.4	2.6	3.6	1.0								8.6	7.1
VARBL													
CALM												7.0	
	16.8	28.8	27.4	17.4	2.3	.2						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

02  
HOURS (U.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.1	.7									2.9	6.0
NNE				.7								.7	13.0
NE	.7	.7										1.4	3.5
ENE													
E	.7	.7	.7									2.1	4.7
ESE	1.4											1.4	1.5
SE	1.4	.7	2.1									4.3	5.2
SSE	2.1	.7	.7									3.6	3.8
S	.7	.7	.7									2.1	5.3
SSW	2.9	.7	1.4									5.0	4.1
SW	2.9	.7	.7									4.3	3.7
WSW	.7	2.1	2.9									5.7	6.3
W	4.3	5.7	7.9	2.1								20.0	6.8
WRW	2.9	6.4	3.6	1.4	.7							15.0	6.9
NW	5.0	4.3	2.9	2.1								14.3	6.0
NNW	2.1	2.9	1.4	.7								7.1	5.6
VARBL													
CALM												10.0	
	27.9	28.6	25.7	7.1	.7							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

140

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

05  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4										2.9	3.0
NNE		.7										.7	6.0
NE				.7								.7	12.0
ENE													
E		.7										.7	5.0
ESE	1.4	.7	.7									2.9	5.3
SE	2.9	.7	.7									4.3	3.7
SSE	1.4	.7	.7									2.9	4.8
S	1.4	2.1	1.4									5.0	4.9
SSW	.7	.7	1.4									2.9	5.5
SW	.7	.7	.7	.7								2.9	6.5
WSW	1.4	2.1	1.4	.7								5.7	6.4
W	.7	3.6	5.0	2.1								16.4	7.1
WNW	4.3	3.6	5.0	.7	.7	.7						15.0	7.5
NW	4.3	3.6	2.1	2.1	.7							12.9	6.8
NNW	2.9	5.0	1.4	1.4								10.7	5.9
VARBL													
CALM												13.6	
	23.6	31.4	20.7	8.6	1.4	.7						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

140

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

FEB

MONTH

ALL WEATHER  
CLASS

08  
HOURS (L.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.4									2.8	5.8
NNE	2.1	.7	.7									3.5	3.8
NE		.7										.7	5.0
ENE													
E		1.4		1.4								2.8	9.0
ESE	1.4	2.1	2.8									6.4	5.8
SE				.7								.7	11.0
SSE	.7	2.1	1.4									4.3	5.0
S	.7	2.8	.7									4.3	5.0
SSW	2.1	1.4										3.5	3.6
SW		3.5	2.8									7.1	8.4
WSW	4.3	8.5	7.8	3.5	1.4	.7						25.5	7.6
W	3.5	2.8	7.8	.7								14.9	6.4
WNW	.7	1.4	2.8	2.1								7.1	8.2
NW	3.5	1.4	2.8	1.4			.7					9.9	7.9
NNW													
VARBL													
CALM												6.4	
	19.9	29.8	31.2	9.9	1.4	.7	.7					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

FEB  
MONTH

11

HOURS (U.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	.7	.7								4.3	6.2
NNE	1.4	.7										2.1	4.0
NE		.7										.7	4.0
ENE													
E	.7	5.0	2.1	.7								8.6	6.2
ESE		.7	1.4									2.1	7.0
SE				.7								.7	12.0
SSE			.7									2.1	7.0
S		2.9	.7									3.6	5.2
SSW	.7	3.6	.7									3.0	4.4
SW	1.4	2.9	.7									5.0	4.7
WSW	1.4	1.4	3.6	1.4								6.4	6.0
W	1.4	10.7	10.7	2.1								25.0	7.2
WNW	.7	5.0	5.7	2.9	.7							15.0	8.7
NW		3.6	3.6	1.4	.7							9.3	9.2
NNW	.7	2.9	2.1	2.9								8.6	8.7
VARBL												1.4	
CALM												100.0	7.2
	7.9	42.9	33.6	12.9	1.4								

TOTAL NUMBER OF OBSERVATIONS

140

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

FEB

MONTH

ALL WEATHER

CLASS

14

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.2		.7								4.3	6.7
NNE	1.4	2.1										3.5	3.6
NE		.7										.7	4.0
ENE			.7									.7	6.0
E	.7	1.4	2.1	.7								5.0	6.7
ESE		1.4	1.4									2.8	7.5
SE		1.4	.7									2.1	7.3
SSE			1.4									1.4	8.0
S	.7	1.4										2.1	4.0
SSW		2.1	.7									2.8	6.0
SW	.7	7.1	1.4									9.2	5.3
WSW	1.4	4.3	1.4	.7								7.8	5.9
W	1.4	6.4	11.3	5.0	.7							24.8	8.7
WNW		4.3	9.2	4.3	.7							18.4	9.3
NW		.7	2.1	2.1								5.0	10.3
NNW	1.4	1.4	1.4	2.8	.7							7.8	9.5
VARBL													
CALM												1.4	
	7.8	36.3	34.0	16.3	2.1							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

FEB  
MONTH

17  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.1										3.5	4.2
NNE		1.4										1.4	4.5
NE		1.4										1.4	4.0
ENE	.7		.7									1.4	5.5
E		2.1	1.4									3.5	7.0
ESE	.7		2.1									2.8	6.5
SE		1.4	1.4									2.8	6.8
SSE													
S		2.1	1.4									3.5	6.6
SSW	2.1	2.8	.7	.7								6.4	5.2
SW	1.4	3.5	.7									5.7	4.3
WSW	1.4	3.5	2.1									7.1	5.6
W	3.5	5.0	17.7	4.3								30.5	8.0
WNW	.7	4.3	6.4	2.1								13.3	8.1
NW	.7	2.1	5.0	2.1								9.9	8.4
NNW		.7	1.4	2.1	.7							5.0	11.7
VARBL													
CALM												1.4	
	12.8	32.6	41.1	11.3	.7							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

FEB

MONTH

ALL WEATHER

CLASS

20

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	.7										2.8	2.0
NNE		1.4	.7									2.1	6.3
NE		.7										.7	6.0
ENE		1.4										1.4	4.5
E		2.1	.7	.7								3.5	6.6
ESE	.7	.7										1.4	3.5
SE	1.4	2.1										3.5	4.0
SSE	.7	2.8	1.4									5.0	5.1
S	2.8	2.8	.7									6.4	4.4
SSW	2.8	.7	.7	.7								5.0	5.1
SW	.7	.7										1.4	4.0
WSW	1.4	2.1	3.5	.7								7.8	6.7
W	4.3	7.1	5.0	2.8								19.1	6.5
WNW	4.3	1.4	7.1	2.8								15.6	7.1
NW	2.8	5.0	2.8	1.4	.7							12.8	6.7
NNW	1.4	1.4	1.4	.7								5.0	6.9
VARBL													
CALM												6.4	
	25.5	33.3	24.1	9.9	.7							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

141



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

FEB

MONTH

ALL WEATHER

CLASS

23

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.6										3.6	5.4
NNE	.7	1.4										2.1	4.7
NE	.7			.7								1.4	6.3
ENE		1.4		.7								2.1	6.3
E	.7	.7										1.4	3.0
ESE			.7									.7	8.0
SE	2.1	1.4										3.6	3.6
SSE	2.1	2.1										4.3	3.3
S	1.4	2.9	.7									5.0	4.7
SSW		2.9										2.9	4.0
SW	2.1	.7										2.9	3.3
WSW	2.1	2.9	2.1	2.1								9.3	7.0
W	5.0	9.3	4.3	.7								19.3	5.6
WNW	1.4	2.9	3.6	1.4								9.3	7.3
NW	4.3	5.7	2.1	2.9		.7						15.7	6.9
NNW	.7	2.1	1.4	.7								5.0	6.4
VARBL													
CALM												11.4	
	23.6	40.0	15.0	9.3		.7						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

140

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

FEB

MONTH

ALL WEATHER

CLASS

ALL

MOORE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.0	.4	.2								3.4	5.1
NNE	.7	1.1	.2	.1								2.0	4.8
NE	.2	.6		.2								1.0	5.4
ENE	.1	.4	.2	.1								.7	5.9
E	.4	1.8	.9	.4								3.5	6.4
ESE	.7	.7	1.2									2.6	5.8
SE	1.0	1.0	.6	.2								2.8	5.3
SSE	.9	1.2	.9									2.9	4.9
S	1.0	2.2	.8									4.0	5.0
SSW	1.2	1.7	.7	.2								3.7	4.9
SW	1.5	2.2	.5	.1								4.4	4.6
WSW	1.1	2.8	2.5	.7		.1						7.1	6.8
W	3.1	7.7	8.7	2.8	.3							22.6	7.3
WNW	2.2	3.8	6.0	2.0	.4	.1						14.6	7.7
NW	2.2	3.3	2.9	2.0	.3	.1						10.9	7.4
NNW	1.6	2.2	1.7	1.6	.2		.1					7.4	7.7
VARBL													
CALM												6.5	
	18.6	34.6	28.2	10.7	1.1	.3	.1					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

1124

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

05  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

9000

TOTAL NUMBER OF OBSERVATIONS

155

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	2.6		.6							5.2	8.3
NNE	1.3											1.3	2.5
NE													
ENE	1.3											1.3	2.5
E	1.3	1.3	.6									3.2	5.4
ESE		1.9	.6	.6								3.2	7.8
SE	3.2	1.3	.6									5.2	3.8
SSE	1.9	1.9	.6	.6								5.2	5.1
S	1.9	3.2	.6									5.8	4.1
SSW	1.9	1.9	2.6									6.5	5.8
SW		1.9		.6								2.6	6.8
WSW	.6	1.9	1.3									3.9	6.2
W	3.2	7.1	7.7	3.2								21.3	7.0
WNW	1.3	1.9	1.9	1.3								6.5	7.1
NW	1.3	3.2	5.8	1.3								11.6	7.1
NNW		3.2	.6	1.3								5.2	7.5
VARBL													
CALM												12.3	
	20.0	32.3	25.8	9.0	.6							100.0	5.6



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

08  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.9	1.3	.6								4.5	6.7
NNE		.6										.6	5.0
NE	.6	.6										1.3	4.5
ENE	.6											.6	1.0
E		1.3	1.3	1.3								3.9	9.2
ESE	1.9	.6	1.3	.6								4.5	6.0
SE	2.6	2.6	.6									5.8	4.1
SSE	1.3	2.6	1.3	.6								7.7	3.6
S	3.2	4.5										4.5	5.3
SSW	1.3	1.9	1.3									3.2	6.4
SW	1.3		1.9									7.1	5.5
WSW	1.3	2.6	3.2									14.8	7.7
W	.6	4.5	7.7	1.9								7.1	8.5
WNW	.6	1.3	3.2	1.9								8.4	5.3
NW	.6	1.3	5.8		.6							9.7	5.3
NNW	3.2	3.9	2.6									10.3	
VARBL													
CALM													
	20.0	30.3	31.6	7.1	.6							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAR

MONTH

ALL WEATHER

CLASS

11

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.9	1.3	1.9								7.7	7.3
NNE			1.3									1.3	9.0
NE		.6										.6	5.0
ENE	1.9		.6									2.6	3.8
E	3.2	1.9	2.6	1.3								9.0	6.3
ESE		1.9	1.3									3.2	6.4
SE	.6	1.3	1.9									3.9	5.8
SSE	1.9		1.3	.6								3.9	5.5
S	.6	1.3	2.6	.6								5.2	7.0
SSW	2.6	2.6										5.2	3.3
SW		5.2	1.3									6.5	5.8
WSW	1.3	3.9	.6									5.8	5.0
W	4.5	8.4	7.1	1.9								21.9	6.3
WNW	.6	1.9	6.5	3.9								12.9	8.7
NW		.6	1.3	3.2	.6							5.8	10.7
NNW			1.9	1.3								3.2	10.0
VARBL													
CALM												1.3	
	18.1	33.5	31.6	14.8	.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGU GARCIA

STATION NAME

73-77

YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

14  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	1.3	.6								4.3	6.1
NNE		.6	.6									1.3	7.0
NE	1.3	.6		.6								2.6	5.8
ENE	.6	2.6										3.2	4.4
E	.6	.6	2.6	1.3								5.2	8.6
ESE		2.6	.6									3.2	5.4
SE		1.9	1.3									3.2	7.2
SSE	1.2	1.3	1.3									3.9	5.5
S	1.3	1.9	.6									3.9	4.8
SSW	.6	2.6	1.9									5.2	5.8
SW		3.9	1.9									5.8	6.0
WSW	1.3	9.0	1.3	1.3								12.9	5.9
W	1.9	7.7	6.5	1.3								17.4	6.7
WNW	.6	1.3	7.1	2.6								11.6	8.7
NW	.6	1.9	3.9	3.2								9.7	8.6
NNW		1.3	2.6	1.9								5.8	10.1
VARBL												.6	
CALM													
	11.6	41.3	33.5	12.9								100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

17  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	4.0
NNE	1.3	1.9	.6									3.9	5.0
NE	1.3											1.3	2.5
ENE		2.6										2.6	4.8
E	1.3	1.9	1.9	.6								5.8	6.4
ESE	.6	1.3	1.3									3.2	6.0
SE		1.9		.6								2.6	7.0
SSE		3.2										3.2	4.8
S	1.3	3.2	.6	.6								5.8	5.6
SSW	2.6	1.9	3.2									7.7	5.8
SW	3.2	3.2	.6									7.1	4.0
WSW	1.9	3.9	2.6	1.3								9.7	6.4
W	1.3	3.9	4.5	2.6	.6							12.9	8.3
WNW	1.3	3.2	6.5	2.6								13.5	8.0
NW	1.3	.6	5.2	3.2								10.3	9.1
NNW		2.6	3.9	1.9								8.4	8.0
VARB													
CALM												1.3	
	17.4	36.1	31.0	13.5	.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

20  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.6									1.9	5.3
NNE	.6	.6		.6								1.9	6.3
NE		.6										.6	6.0
ENE	.6	1.3	.6									2.6	5.0
E		1.9	1.3	.6								3.9	7.5
ESE		2.6	.6									3.2	6.2
SE	1.9	2.6										4.5	4.0
SSE	.6	1.3	1.3									3.2	5.6
S	4.5	5.2	.6	.6								11.0	4.3
SSW	2.6	1.9	.6									5.2	3.6
SW	1.3	.6	1.9	.6								4.5	6.0
WSW	1.3	3.2	1.3									5.8	5.3
W	.6	4.5	7.7	.6								13.5	7.2
WNW	1.3	.6	7.1	2.6								11.6	8.7
NW	.6	2.6	5.8	1.3								10.3	7.6
NNW		1.9	3.2									5.2	6.6
VARBL													
CALM												11.0	
	16.8	32.3	32.9	7.1								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

23

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.9	1.3	.6	.6							4.5	7.0
NNE			.6	.6								1.3	12.0
NE	.6	.6										1.3	2.5
ENE		1.3										1.3	4.0
E	.6	.6	1.3									2.6	5.5
ESE	.6	1.3	1.3	.6								3.9	6.8
SE	3.9	3.2										7.1	3.0
SSE	2.6	1.9	.6									5.2	3.9
S	3.2	1.9	.6		.6							6.5	4.8
SSW	.6	2.6	.6									3.9	5.2
SW	2.6	2.6										5.2	3.8
WSW	.6	3.2	1.3	.6								5.8	6.3
W	1.9	6.5	6.5	1.3								16.1	7.2
WNW	1.3	2.6	3.9	1.3								9.0	7.1
NW	1.3	.6	3.2	1.9								7.1	8.2
NNW	1.9	1.3	1.9	.6								5.8	5.9
VARBL													
CALM												13.5	
	22.6	32.3	23.2	7.1	1.3							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

155



# SURFACE WINDS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAR

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.5	1.3	.5	.2							4.0	7.2
NNE	.5	.5	.4	.2	.1							1.6	6.7
NE	.6	.5		.1								1.1	4.2
ENE	1.0	1.0	.2									2.2	3.9
E	.9	1.3	1.5	.6								4.4	7.0
ESE	.4	1.9	1.1	.2								3.7	6.3
SE	1.9	1.9	.7	.1								4.5	4.4
SSE	1.5	1.8	.8	.2								4.3	5.0
S	2.7	2.9	.9	.3	.1							6.9	4.6
SSW	1.6	2.1	1.5									5.2	5.0
SW	1.0	2.3	1.1	.2								4.7	5.6
WSW	1.1	3.6	1.8	.5								7.0	6.0
W	2.0	6.0	7.0	1.9	.1							17.0	7.2
WNW	1.0	1.9	5.4	2.2								10.6	8.2
NW	.9	1.7	4.1	1.9	.2							8.9	8.3
NNW	.9	2.0	2.3	.9								6.1	7.0
VARBL												8.0	
CALM												100.0	6.0
	18.5	32.8	30.1	9.9	.6								

TOTAL NUMBER OF OBSERVATIONS

1239

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME SIEGO GARCIA

YEARS 73-77

APR  
NORTH

ALL WEATHER  
CLASS

02  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	2.0
NNE	.7											.7	2.0
NE													
ENE													
E	2.0	.7	.7	.7								4.0	7.5
ESE	.7	4.0	2.0									4.0	5.0
SE	4.7	5.3	1.3	2.0								6.7	5.7
SSE	2.7	2.7	2.0									13.3	5.4
S	2.7	4.7	3.3	.7								7.3	5.4
SSW	.7	1.3	1.3									11.3	5.8
SW	2.7	2.7	.7									3.3	5.0
WSW	1.3	3.3		.7								6.0	4.4
W	2.0	2.0	2.0			.7						5.3	5.0
WNW	2.0	2.0	2.0									6.7	6.8
NW	2.7		.7	.7								6.0	4.6
NNW		.7	.7	.7								4.0	4.8
VARBL												2.0	8.7
CALM												18.7	
	25.3	32.0	18.0	5.3		.7						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

APR

MONTH

ALL WEATHER

CLASS

05

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3			.7								2.0	5.7
NNE			.7									.7	8.0
NE	.7	1.3		.7								2.7	5.8
ENE	.7	.7	.7		.7							2.7	9.0
E		.7	1.3									2.0	7.7
ESE	1.3	1.3	2.7									5.3	6.0
SE	3.3	4.0		1.3								8.7	4.9
SSE	2.7	6.0	4.0									12.7	5.6
S	4.7	4.7	1.3									10.7	4.1
SSW	.7	.7	2.0									3.3	6.4
SW		2.7										2.7	5.0
WSW	1.3	2.0	2.0									5.3	5.1
W	5.3	5.3	2.7									13.3	4.6
WNW	.7		.7	.7								2.0	8.0
NW	1.3	2.0	2.0	1.3								6.7	6.3
NNW		2.0	.7									3.3	7.8
VARBL													
CALM												16.0	
	24.0	33.3	20.7	5.3	.7							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

08  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0											2.0	2.0
NNE			.7									.7	8.0
NE			.7									.7	8.0
ENE	.7	2.0	1.3									4.0	5.2
E	2.0	2.7	2.0	.7								7.3	5.8
ESE	.7	2.7	3.3									6.7	7.1
SE	2.0	3.3	2.0	.7								8.0	5.7
SSE	2.0	4.0	4.0									10.0	6.1
S	5.3	6.7	3.3									15.3	4.7
SSW	.7	2.0	2.0									4.7	6.0
SW	.7	.7	2.0									3.3	6.4
WSW		3.3	3.3									6.7	6.8
W	1.3	2.7	1.3	.7								6.0	5.7
WNW		.7	.7	.7								2.0	7.7
NW	.7	2.0	.7									3.3	5.0
NNW			.7	2.0								2.7	12.3
VARBL													
CALM												16.7	
	18.0	32.7	28.0	4.7								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEARS

APR  
MONTH

ALL WEATHER  
CLASS

11  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	.7	.7								3.3	7.0
NNE			.7									.7	10.0
NE	.7											.7	3.0
ENE	.7	2.0	.7									3.3	4.8
E	1.3	2.7	5.3									9.3	7.0
ESE	2.0	4.0	5.3	.7								12.0	6.6
SE	2.0	2.7	4.0	.7								9.3	6.4
SSE	1.3	2.0	5.3	.7								9.3	6.8
S	.7	5.3	4.0	.7								10.7	6.8
SSW	2.0	3.3	1.3									6.7	4.9
SW	1.3	3.3	1.3									6.0	5.2
WSW	2.7	3.3	2.0									8.0	5.1
W		3.3	1.3									4.7	6.9
WNW	2.0	1.3	2.0									5.3	5.9
NW		.7	2.0		.7							3.3	10.0
NNW	1.3	1.3	.7									3.3	4.6
VARBL													
CALM												4.0	
	18.0	37.3	36.7	3.3	.7							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

APR  
MONTH

ALL WEATHER  
CLASS

14  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	.7	.7								3.3	7.2
NNE		1.3										1.3	6.0
NE	2.0	.7	.7									3.3	4.2
ENE	.7	1.3										2.0	4.0
E	2.7	4.7	6.0	.7								14.0	6.6
ESE	.7	2.7	5.3	1.3								10.0	7.5
SE	.7	.7	1.3	1.3								4.0	8.2
SSE	.7	2.0	5.3	2.0								10.0	8.1
S	.7	3.3	6.7									10.7	7.0
SSW	2.0	2.7	1.3									6.0	4.3
SW	.7	2.0	1.3									4.0	5.5
WSW		6.0	2.0									8.0	6.3
W		4.7	3.3	.7								8.7	6.8
WNW	.7	1.3	3.3	2.0								7.3	8.7
NW	.7	2.0	.7									3.3	4.6
NNW	1.3		.7									2.0	4.3
VARBL												2.0	
CALM													
	13.3	37.3	38.7	8.7								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

APR

MONTH

17

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.3	.7									4.0	3.3
NNE		.7										.7	5.0
NE		.7										.7	5.0
ENE	.7	.7	1.3									2.7	5.0
E	1.3	3.3	.7	.7								6.0	6.0
ESE	2.7	1.3	5.3									9.3	6.1
SE	.7	3.3	3.3	.7								8.0	7.0
SSE	1.3	3.3	6.0									10.7	6.9
S	2.0	8.0	4.7		.7							15.3	6.3
SSW	4.7	4.0										8.7	3.4
SW	.7	3.3	2.7									6.7	5.7
WSW	1.3	4.7	.7									6.7	4.3
W	1.3	3.3	2.0	.7								7.3	5.7
WNW		3.3	.7	.7								4.7	7.3
NW	.7	.7	1.3									2.7	5.3
NNW			1.3									1.3	8.5
VARBL													
CALM												4.7	
	19.3	42.0	30.7	2.7	.7							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

APR

MONTH

20

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7										2.0	3.7
NNE													
NE													
ENE	2.7	.7											
E	1.3	2.7	2.0	.7								3.3	3.0
ESE	3.3	2.7	2.7									6.7	5.9
SE	5.3	4.7	5.3									8.7	4.8
SSE	3.3	3.3	2.0									15.3	5.2
S	4.7	6.0	2.7									8.7	4.9
SSW	2.0	1.3	1.3									13.3	4.9
SW	2.0	1.3	.7									4.7	4.9
WSW		2.0	1.3									4.0	3.7
W	1.3	4.7	2.0									3.3	6.0
WNW	2.0	.7										8.0	5.3
NW		1.3	.7									2.7	3.0
NNW	2.0	.7	.7	.7								2.0	5.3
VARBL												4.0	5.7
CALM												13.3	
	31.3	32.7	21.3	1.3								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

APR  
MONTH

ALL WEATHER  
CLASS

23  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

BR00

TOTAL NUMBER OF OBSERVATIONS

150

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7										2.0	3.0
NNE		.7										.7	4.0
NE		.7	.7									1.3	6.0
ENE	.7	1.3										2.0	3.7
E	1.3	2.0	2.0	.7	.7							6.7	7.7
ESE	4.0	4.0	3.3	.7								12.0	5.3
SE	2.7	2.0	2.0	.7								7.3	5.4
SSE	2.0	7.3	3.3									12.7	5.5
S	6.0	4.7	1.3	.7								12.7	4.3
SSW	1.3	1.3	.7									3.3	4.4
SW	1.3	1.3										2.7	3.8
WSW	.7	2.7	2.7									6.0	6.6
W	2.0	2.7	1.3									6.0	4.9
WNW	.7											2.0	6.3
NW	1.3	1.3										2.7	3.8
NNW	.7	.7			.7							2.0	8.3
VARBL													
CALM												18.0	
	26.0	33.3	18.7	2.7	1.3							100.0	4.3

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.8	.2	.2								2.4	4.7
NNE	.1	.3	.2									.7	6.1
NE	.4	.4	.2	.1								1.2	5.1
ENE	.8	1.4	.6	.1	.1							3.0	5.4
E	1.5	2.4	2.6	.4	.1							7.0	6.5
ESE	1.9	2.8	3.7	.3								8.8	6.1
SE	2.7	3.2	2.4	.9								9.2	5.8
SSE	2.0	3.8	4.0	.3								10.2	6.2
S	3.3	5.4	3.4	.2	.1							12.5	5.5
SSW	1.7	2.1	1.2									5.1	4.7
SW	1.2	2.2	1.1									4.4	5.0
WSW	.9	3.4	1.7	.1								6.2	5.7
W	1.7	3.6	2.0	.2		.1						7.6	5.7
WNW	1.0	1.2	1.3	.5								4.0	6.5
NW	.9	1.2	1.0	.2	.1							3.5	5.8
NNW	.7	.7	.7	.5	.1							2.6	7.3
VARBL													
CALM												11.7	
	21.9	35.1	26.6	4.2	.4	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

02  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	4.0
NNE		.6										.6	5.0
NE													
ENE	.6	.6										1.3	3.5
E	3.2	3.2	4.5	1.9								12.9	6.9
ESE	4.5	7.7	12.9	1.3								26.5	6.4
SE	7.7	8.4	6.5	.6								23.2	5.2
SSE	5.8	9.7	2.6									18.1	4.4
S	1.9	4.5	.6									7.1	4.7
SSW	.6	1.3	.6									2.6	5.0
SW			.6									.6	7.0
WSW			.6									.6	8.0
W		.6										.6	4.0
WNW		.6										.6	4.0
NW	.6											.6	2.0
NNW													
VARBL													
CALM												3.9	
	25.2	38.1	29.0	3.9								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

05

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

TOTAL NUMBER OF OBSERVATIONS

155

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.6	.6	.6									1.9	5.3
NE		.6										.6	4.0
ENE	1.3		.6									1.9	4.0
E		3.2	2.6	1.3								7.1	7.7
ESE	4.5	9.0	10.3	1.9								25.8	6.4
SE	8.4	6.5	9.7	.6								25.2	5.4
SSE	5.8	11.0	3.2									20.0	4.6
S	3.2	5.8										9.0	3.8
SSW	.6		.6									1.3	5.0
SW		.6	.6									1.3	6.5
WSW			.6									.6	7.0
W		1.3										1.3	4.5
WNW													
NW													
NNW													
VARBL													
CALM												3.9	
	24.5	38.7	29.0	3.9								100.0	5.3

DIRNAVOCEANMET SMOS



2

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAY

MONTH

ALL WEATHER

CLASS

08

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.6	.6	.6									1.9	4.3
NE		.6										.6	6.0
ENE		.6	1.3									1.9	6.3
E		2.6	3.2	1.3								7.1	7.8
ESE	1.3	5.2	11.6	3.2								21.3	7.9
SE	1.9	9.7	18.1	1.3								31.0	7.0
SSE	1.3	9.0	5.2	1.9								17.4	6.6
S	1.3	6.5	1.9	1.3								11.0	5.9
SSW	1.3	.6	.6									2.6	4.0
SW		.6	.6									1.3	7.0
WSW				.6								.6	11.0
W		.6										.6	5.0
WNW													
NW		.6										.6	4.0
NNW													
VARBL													
CALM												1.9	
	7.7	37.4	43.2	9.7								100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

11  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	1.3	.6	.6	.6								3.2	6.4
ENE	.6	2.6										3.2	4.2
E	.6	3.9	5.2	.6								10.3	7.4
ESE		4.5	10.3	10.3								25.2	9.8
SE		3.9	12.3	3.2								19.4	8.3
SSE	1.3	3.2	13.5	3.2								21.3	8.2
S	.6	3.9	4.5									9.0	6.6
SSW	1.3	.6	1.9									3.9	5.3
SW		.6	.6									1.3	6.0
WSW		.6		.6								1.3	10.0
W		.6										.6	4.0
WNW													
NW													
NNW													
VARBL													
CALM												1.3	
	5.8	25.2	49.0	18.7								100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

14  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.6										.6	5.0
NE	.6	.6										1.3	3.0
ENE	.6											.6	3.0
E	1.3	3.2	7.1	4.5	1.3							17.4	8.7
ESE		6.5	12.3	9.0								27.7	9.1
SE		4.5	7.1	3.9								15.5	6.4
SSE		5.2	10.3	1.3								16.8	7.6
S	1.3	2.6	6.5									10.3	6.9
SSW		2.6										2.6	5.0
SW	.6	.6	1.3									2.6	6.3
WSW		1.3			.6							1.9	9.3
W													
WNW	.6											.6	3.0
NW				.6								.6	16.0
NNW													
VARBL													
CALM												1.3	
	5.2	27.7	44.5	19.4	1.9							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

155



AD-A063 828

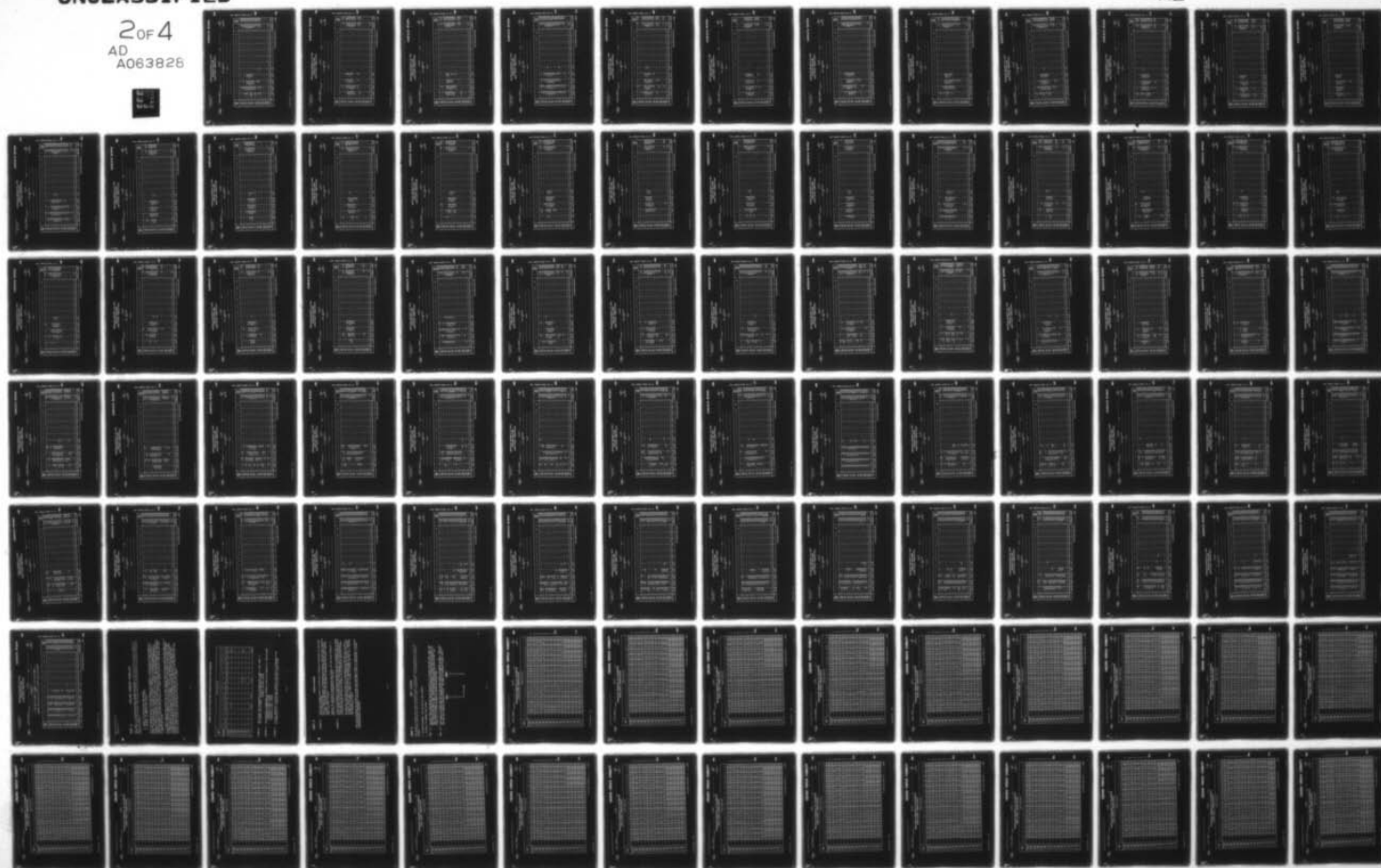
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C  
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), DIEGO G--ETC(U)  
JUL 78

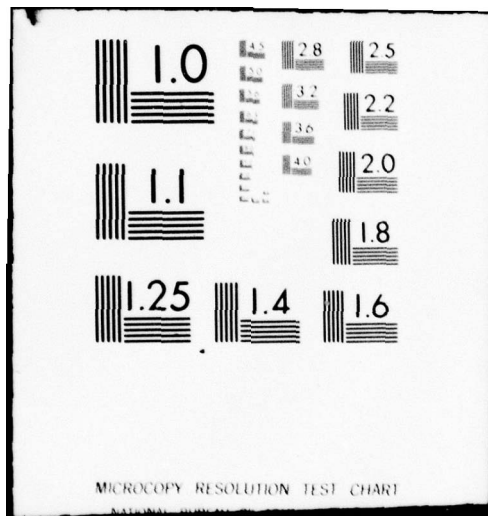
F/G 4/2

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AD  
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NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

17  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

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SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.6										.6	5.0
NE		.6	.6									1.3	7.0
ENE	.6	1.3										1.9	3.3
E	.6	6.5	7.1	.6								14.8	7.0
ESE		6.5	11.6	5.8								23.9	8.5
SE	1.3	5.8	10.3	2.6								20.0	7.8
SSE	2.6	6.5	10.3	.6								20.0	6.5
S		3.2	5.2									8.4	7.2
SSW	1.9	.6										2.6	2.8
SW			.6									.6	8.0
WSW	.6	.6	.6	.6								2.6	7.8
W	.6	.6										1.3	3.0
WNW													
NW													
NNW													
VARBL													
CALM												1.9	
	8.4	32.9	46.5	9.7	.6							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

153



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

20  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												.6	5.0
NNE		.6											
NE													
ENE		.6	.6	.6								1.9	6.7
E	1.3	1.9	7.1	.6								11.0	7.6
ESE	3.2	8.4	11.0	1.9								24.5	7.2
SE	5.2	13.5	8.4	.6								27.7	5.5
SSE	3.9	11.6	4.5	.6								20.6	5.2
S	1.9	3.2										5.2	4.3
SSW													
SW		1.3	.6	.6								2.6	7.3
WSW	1.3											1.3	2.0
W													
WNW													
NW													
NNW													
VARBL													
CALM												4.5	
	16.8	41.3	32.3	5.2								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# P2

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAY

MONTH

ALL WEATHER

CLASS

23

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N												.6	5.0
NNE		.6											
NE													
ENE	.6											.6	3.0
E	1.9	2.6	5.8	1.3								11.6	7.1
ESE	3.9	7.7	9.0	4.5								25.2	7.0
SE	7.1	16.1	9.7									32.9	5.5
SSE	5.2	5.2	3.2	.6								14.2	5.2
S	1.9	1.9										3.9	3.8
SSW		1.3		.6								1.9	6.7
SW													
WSW			.6									.6	9.0
W	1.3											1.3	2.5
WNNW													
NW													
NNW													
VARIABLE													
CALM												7.1	
	21.9	35.5	28.4	7.1								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAY

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1											.1	4.0
NNE	.2	.6	.2									.9	4.9
NE	.2	.4	.2	.1								.9	5.6
ENE	.6	.7	.3	.1								1.7	4.8
E	1.1	3.4	5.3	1.5	.2							11.5	7.6
ESE	2.2	6.9	11.1	4.8								25.0	7.8
SE	4.0	8.5	10.2	1.6								24.4	6.5
SSE	3.2	7.7	6.6	1.0								18.5	6.1
S	1.5	4.0	2.3	.2								8.0	5.6
SSW	.7	.9	.5	.1								2.2	5.0
SW	.1	.5	.6	.1								1.3	6.8
WSW	.2	.3	.3	.2	.2							1.2	7.9
W	.2	.5										.7	3.7
WNW	.1	.1										.2	3.5
NW	.1	.1		.1								.2	7.3
NNW													
VARBL													
CALM												3.2	
	14.4	34.6	37.7	9.7	.3							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

1240



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

1170

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

02  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

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TOTAL NUMBER OF OBSERVATIONS 150

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SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7										.7	4.0
NNE													
NE													
ENE	.7											.7	2.0
E	1.3	2.7	4.0	1.3								9.3	7.5
ESE	4.0	10.7	6.7	4.7	.7							26.7	7.3
SE	4.7	10.7	11.3	3.3	.7							30.7	7.0
SSE	6.0	4.0	8.0	.7								18.7	5.8
S	.7	.7	2.0									3.3	7.6
SSW		.7		.7								1.3	8.5
SW													
WSW	.7		.7	.7								1.3	5.5
W		.7	.7									1.3	7.0
WNW													
NW													
NNW		.7										.7	4.0
VARBL													
CALA												5.3	
	18.0	31.3	33.3	10.7	1.3							100.0	6.5

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUN

MONTH

ALL WEATHER

CLASS

03

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E	.7	4.7	2.7	2.7								10.7	7.6
ESE	4.0	6.7	9.4	2.0								22.1	6.8
SE	6.7	12.1	9.4	4.0								32.2	6.3
SSE	8.1	8.1	4.7	1.3								22.1	5.3
S	2.0	2.0	2.0	1.3								7.4	6.5
SSW													
SW		.7										.7	6.0
WSW			.7	.7								1.3	9.5
W		.7										.7	6.0
WNW													
NW													
NNW													
VARBL													
CALM												2.7	
	21.5	34.9	24.9	12.1								100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

149

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

06  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		1.3										1.3	5.0
ENE	.7	.7		.7								2.0	7.0
E		2.0	2.7	2.0								6.7	8.9
ESE	2.7	10.0	12.7	4.7								30.0	7.4
SE	5.3	8.0	15.3	3.3								32.0	7.0
SSE	4.0	3.3	7.3	1.3								16.0	6.5
S	2.0	.7	2.7	1.3								6.7	6.5
SSW	.7	1.3										2.0	4.0
SW			.7									.7	9.0
WSW			.7									.7	7.0
W	.7		.7									1.3	5.5
WNW		.7										.7	6.0
NW													
NNW													
VARBL													
CALM												.0	
	16.0	28.0	42.7	13.3								100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUN  
MONTH

11  
HOURS (L.E.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												.7	3.0
NNE	.7												
NE													
ENE	.7	.7										1.3	3.5
E		8.0	6.0	2.7								16.7	7.4
ESE	1.3	6.0	18.7	10.0								36.0	9.1
SE	.7	3.3	9.3	6.7								20.0	9.5
SSE		1.3	8.0	2.0								11.3	9.0
S	.7	2.0	5.3	.7								8.7	7.8
SSW		2.0	.7									2.7	5.5
SW			.7									.7	8.0
WSW			.7									.7	10.0
W			.7									.7	9.0
WNW			.7									.7	8.0
NW													
NNW													
VARBL													
CALM												.0	
	4.0	23.3	50.7	22.0								100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

72-77

YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

14  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.7											.7	1.0
NE	.7	.7										.7	4.0
ENE	.7	.7	.7									2.0	5.0
E	.7	4.7	4.7	4.0								14.0	8.1
ESE	2.0	5.3	13.3	7.3								28.0	9.0
SE	2.0	2.0	12.0	4.0	.7							18.7	9.8
SSE	.7	3.3	8.7	3.3								16.0	8.8
S	1.3	5.3	5.3	2.7								14.7	7.6
SSW	.7	2.0										2.7	5.0
SW													
WSW		.7										.7	6.0
W		.7	.7									1.3	7.5
WNW			.7									.7	8.0
NW													
NNW													
VARBL													
CALM												.0	
	6.7	25.3	46.0	21.3	.7							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUN  
MONTH

ALL WEATHER

CLASS

17

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.7											.7	3.0
NIE	.7											.7	2.0
ENE													
E	.7	2.0	4.7	1.3								8.7	7.8
ESE	.7	7.3	16.0	6.0	.7							30.7	8.8
SE		8.0	14.0	6.7								28.7	8.4
SSE	1.3	4.0	8.7	2.0								16.0	7.4
S	1.3	2.7	5.3	1.3								10.7	7.0
SSW	.7		.7									1.3	4.5
SW		.7										.7	6.0
WSW													
W		.7	1.3									2.0	8.3
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	6.0	25.3	50.7	17.3	.7							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

20  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		.7										.7	4.0
ENE													
E	.7	3.3	.7	1.3								6.0	7.0
ESE	4.7	10.7	9.3	4.0								28.7	6.8
SE	5.3	13.3	10.7	5.3								34.7	7.1
SSE	2.7	7.3	5.3	.7								16.0	5.7
S	1.3	1.3	5.3									8.0	6.6
SSW	.7											.7	3.0
SW													
WSW													
W	1.3	.7	.7									2.7	5.3
WNW	.7											.7	2.0
NW													
NNW													
VARBL													
CALM												2.0	
	17.3	37.3	32.0	11.3								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

23  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E	.7	1.3	2.7	2.0								6.7	9.2
ESE	2.7	10.7	8.7	6.7								28.7	7.3
SE	8.0	12.0	10.7	6.0								36.7	6.6
SSE	.7	7.3	4.7	.7								13.3	6.6
S	2.7	4.7	2.0									9.3	5.0
SSW			.7									.7	10.0
SW													
WSW	.7											.7	2.0
W			.7									.7	8.0
WNW			.7									.7	7.0
NW													
NNW													
VARBL													
CALM												2.7	
	15.3	36.0	30.7	15.3								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1										.1	4.0
NNE	.3											.3	2.3
NE	.1	.3										.4	4.0
ENE	.3	.3		.1								.8	5.0
E	.6	3.6	3.5	2.2								9.8	7.8
ESE	2.8	8.4	11.8	5.7	.2							28.9	7.9
SE	3.8	8.7	11.6	4.9	.2							29.2	7.5
SSE	2.9	4.8	6.9	1.5								16.2	6.7
S	1.5	2.4	3.8	.9								8.6	6.8
SSW	.3	.8	.3	.1								1.4	5.5
SW	.2	.2	.2									.3	7.3
WSW	.2	.1	.3	.1								.7	6.9
W	.3	.4	.7									1.3	6.8
WNW	.1	.1	.3									.4	6.2
NW													
NNW		.1										.1	4.0
VARBL													
CALM												1.6	
	13.1	30.2	39.4	15.4	.3							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

1199

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

02  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	.6											.6	2.0
ENE													
E		1.9	1.9	.6								4.5	7.6
ESE	1.3	2.6	11.6	13.3								29.0	10.0
SE	3.2	8.4	17.4	10.3	.6							40.0	8.5
SSE	1.3	5.8	11.0	3.2								21.3	8.2
S		2.6	.6	1.3								4.5	7.4
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	6.5	21.3	42.6	29.0	.6							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

03

NOVEMBER (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE		.6										.6	6.0
E		.6	3.9	.6								5.2	9.0
ESE	.6	2.6	11.0	7.7	1.3							23.2	10.0
SE	3.9	9.0	15.3	14.8	.6							43.9	8.8
SSE		5.2	10.3	6.5								21.9	8.9
S		.6	1.3	1.3	.6							3.9	11.7
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARIABLE													
CALM												1.3	
	4.5	18.7	41.9	31.0	2.6							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

08  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												.6	1.0
NNE	.6												
NE													
ENE			.6									.6	10.0
E		.6	4.5	.6								5.8	8.9
ESE		2.6	9.0	10.3	.6							22.6	10.6
SE	1.3	6.5	16.8	14.2								38.7	9.7
SSE	.6	5.2	14.8	6.5								27.1	8.9
S		.6	1.3	.6								2.6	9.0
SSW	.6			.6								1.3	6.5
SW		.6										.6	5.0
WSW													
W													
WNW													
NW													
NNW													
VARBL												.0	
CALM													
	3.2	16.1	47.1	32.9	.6							100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUL  
MONTH

ALL WEATHER

CLASS

11  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6									.6	8.0
NNE													
NE													
ENE	.6	.6											
E		1.3	3.2	2.6								1.3	4.5
ESE		1.3	12.3	11.6	2.6							7.1	9.9
SE			13.5	16.8	1.9							27.7	11.4
SSE		1.3	11.6	14.2	.6							32.3	11.6
S		1.3	1.3	.6								27.7	11.1
SSW												3.2	8.0
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	.6	5.8	42.6	45.8	5.2							100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUL

MONTH

14

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												1.9	5.0
NNE		1.9											
NE													
ENE			.6									.6	7.0
E		.6	1.9	3.2								5.8	10.9
ESE	.6	1.3	9.7	10.3	1.9							23.9	11.5
SE		1.3	11.6	21.9	1.9							36.8	11.8
SSE			12.9	12.3	.6							25.8	10.7
S		.6	3.2	.6								4.3	8.1
SSW		.6										.6	6.0
SW													
WSW													
W													
WNW													
NW													
NNW													
VARB												.0	
CALM													
	.6	6.5	40.0	48.4	4.5							100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUL

MONTH

17

HOURE (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

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SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E		1.3	1.9	2.6								5.8	10.3
ESE		1.3	3.2	11.0	1.3							16.8	12.5
SE		1.3	16.8	17.4	3.2							38.7	11.2
SSE		.6	16.8	14.2								31.6	10.1
S		1.3	3.9									5.2	7.3
SSW		.6										.6	6.0
SW													
WSW													
W													
WNW													
NW													
NNW			.6									.6	8.0
VARBL													
CALM												.6	
		6.5	43.2	45.2	4.5							100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

153



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEAR

JUL  
MONTH

20

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE		.6	.6	1.9	1.3							.6	5.0
E	.6	.6	1.9	1.3								4.3	8.3
ESE		.6	7.7	12.3	.6							21.3	11.8
SE	.6	11.6	23.2	10.3	1.3							47.1	9.0
SSE		2.6	11.6	5.2								19.4	9.1
S	.6	.6	3.2	1.9								6.5	8.5
SSW		.6										.6	4.0
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	1.9	17.4	47.7	31.0	1.9							100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUL  
MONTH

ALL WEATHER

CLASS

23

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIRE.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E	.6	1.3	1.9	.6								4.5	7.3
ESE	.6	1.9	10.3	12.3	1.9							27.1	11.0
SE	.6	9.0	23.2	7.1	1.3							41.3	8.7
SSE	1.9	4.5	12.3	4.5								23.2	8.2
S	.6	1.3	1.3	1.3								3.2	9.4
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.6	
	4.5	16.8	49.0	25.8	3.2							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUL

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.1									.1	8.0
NNE	.1	.2										.3	4.0
NE	.1											.1	2.0
ENE	.1	.2	.2									.5	6.2
E	.2	1.0	2.7	1.5								5.4	9.2
ESE	.4	1.8	9.4	11.1	1.3							24.0	11.0
SE	1.2	5.9	17.3	14.1	1.4							39.8	9.8
SSE	.5	3.1	12.7	8.3	.2							24.8	9.5
S	.2	1.0	2.0	1.0	.1							4.2	8.6
SSW	.1	.2		.1								.4	5.8
SW		.1										.1	5.0
WSW													
W													
WNW													
NW													
NNW			.1									.1	8.0
VARBL												.3	
CALM													
	2.7	13.6	44.3	36.1	2.9							100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

AUG  
MONTH

02  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.6										.6	4.0
NE			.6									.6	8.0
ENE													
E			3.9									3.9	8.7
ESE		2.6	11.0	5.2	.6							19.4	9.5
SE		7.7	16.1	7.1	.6							31.6	9.0
SSE	1.3	3.9	18.1	6.5								29.7	8.7
S		2.6	7.1	1.9								11.6	8.6
SSW													
SW												.6	10.0
WSW			.6										
W													
WNW													
NW													
NNW			.6									.6	8.0
VARBL													
CALM												1.3	
	1.3	17.4	56.1	20.6	1.3							100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

155

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

05  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIRE.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6									.6	10.0
NNE													
NE	.6											.6	2.0
NNE			1.3		.6							1.9	11.3
E		1.3	3.9									5.2	8.5
ESE	.6	1.9	11.0	5.2	.6							19.4	9.7
SE	3.2	7.1	17.4	7.1								34.8	8.3
SSE	.6	6.5	12.9	5.8								25.8	8.4
S		1.9	5.8	2.6								10.3	9.2
SSW		.6										.6	4.0
SW													
WSW													
W													
WNW													
NW													
NNW	.6											.6	1.0
VARBL													
CALM												.0	
	5.8	19.4	52.9	20.6	1.3							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

0800

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

AUG  
MONTH

ALL WEATHER

CLASS

08

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0800

0800

SPEED (KNTS), DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6									.6	10.0
NNE													
NE			1.3									1.3	7.5
ENE	.6											.6	3.0
E	.6		3.2	.6								4.5	8.7
ESE		3.2	11.0	9.0	.6							23.9	10.2
SE	.6	5.8	12.9	9.0								28.4	9.4
SSE		2.6	12.9	10.3								25.8	10.1
S	.6	1.9	6.4	3.2								14.2	8.9
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.6	
	2.6	13.5	50.3	32.3	.6							100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

11  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6									.6	10.0
NNE													
NE			.6	.6								1.3	9.5
ENE			.6	.6								.6	7.0
E	.6	.6	4.5	3.2	1.3							10.3	10.8
ESE		.6	7.1	7.7	.6							16.1	11.0
SE		1.3	9.0	18.1								28.4	11.7
SSE		.6	7.7	14.2								22.6	11.3
S	.6	.6	9.7	7.7								18.7	9.7
SSW				.6								.6	14.0
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.6	
	1.3	3.9	40.0	52.3	1.9							100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

AUG

MONTH

ALL WEATHER

CLASS

14

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.6								.6	12.0
NNE													
NE		.6										.6	5.0
ENE	.6		.6	1.3								1.3	6.0
E		.6	5.2	11.0								7.1	8.7
ESE		.6	7.7	16.1	.6							20.0	11.5
SE		1.3	7.1	16.1	1.3							25.8	12.0
SSE		1.3	10.3	14.8	.6							27.1	10.7
S		.6	6.5	7.7								14.8	10.9
SSW		.6	1.9									2.6	7.8
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL												.0	
CALM													
	.6	5.8	39.4	51.6	2.6							100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

AUG  
MONTH

17

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6									.6	9.0
NNE													
NE		.6										.6	5.0
ENE			1.3	1.9								1.3	8.0
E	.6	1.9	4.5	6.5								9.0	8.6
ESE		2.6	6.5	15.5	.6							15.5	10.0
SE		2.6	11.0	15.5								29.7	11.3
SSE	.6	1.3	16.8	7.1								25.8	9.5
S			9.0	7.1	.6							16.8	10.9
SSW													
SW												.6	8.0
WSW			.6										
W													
WNW													
NW													
NNW													
VARBL													
CALM												.6	
	1.3	9.0	50.3	38.1	1.3							100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

20  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIE.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE			.6									.6	7.0
NE													
ENE													
E		1.9	1.3	2.6									
ESE	1.3	1.9	9.0	6.5								5.8	9.3
SE	1.3	5.8	18.7	12.3	.6							18.7	9.2
SSE	1.9	3.9	11.6	3.9								38.7	9.4
S		3.9	7.7	1.9								21.3	8.0
SSW			.6									13.3	8.4
SW												.6	7.0
WSW		.6										.6	6.0
W													
WNW													
NW													
NNW													
VARBL												.0	
CALM													
	4.5	18.1	49.7	27.1	.6							100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

23  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		1.3										1.3	5.0
ENE													
E			2.6	1.3								3.9	10.2
ESE		5.2	9.7	4.5								19.4	8.9
SE	.6	7.7	18.7	12.3								39.4	9.3
SSE	1.3	5.2	14.2	4.5								25.2	8.3
S		1.9	4.5	3.9								10.3	9.2
SSW													
SW													
WSW													
W													
WNW													
NW		.6										.6	5.0
NNW													
VARBL													
CALM												.0	
	1.9	21.9	49.7	26.5								100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

AUG

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			.3	.1								.4	10.2
NNE		.1	.1									.2	5.5
NE	.1	.3	.3	.1								.8	6.4
ENE	.2		.5		.1							.7	8.0
E	.2	.8	3.6	1.4	.2							6.2	9.3
ESE	.2	2.3	9.1	6.9	.4							19.0	10.0
SE	.7	4.9	13.9	12.2	.4							32.1	9.9
SSE	.7	3.1	13.1	8.4	.1							25.4	9.4
S	.2	1.7	7.3	4.5	.1							13.8	9.6
SSW		.2	.3	.1								.6	8.0
SW													
WSW		.1	.2									.2	8.0
W													
WNW													
NW		.1										.1	5.0
NNW	.1		.1									.2	4.5
VARBL													
CALM												.3	
	2.4	13.6	46.8	33.6	1.2							100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

1240



# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

0001

5702 SURFACE WINDS JAN 78

0000

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70701 STATION 01EGO GARCIA 73-77 YEARS SEP MONTH 02 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												1.3	9.5
NNE		.7		.7								.7	2.0
NE	.7											.7	3.0
ENE	.7											.7	8.3
E		2.0	.7	.7	.7							4.0	8.3
ESE	.7	2.7	12.7	1.3								17.3	8.3
SE	2.0	11.3	17.3	8.7								39.3	8.4
SSE	2.0	6.0	12.0	1.3								21.3	7.2
S	.7	.7	3.3	.7								5.3	7.8
SSW	.7	.7										1.3	3.5
SW													
WSW		1.3										1.3	4.0
W		.7										.7	4.0
WNW													
NW		.7										.7	6.0
NNW													
VARBL													
CALM												6.0	
	7.3	26.7	46.0	13.3	.7							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

SEP

MONTH

ALL WEATHER  
CLASS

05

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												1.3	8.0
NNE		.7	.7										
NE													
ENE	1.3		.7	.7								2.7	6.3
E	.7	2.0	1.3									4.0	5.7
ESE	1.3	2.7	6.0	2.0								12.0	8.0
SE	2.0	11.3	16.7	7.3								37.3	8.0
SSE	4.0	6.7	12.7	3.3								26.7	7.2
S		.7	3.3	1.3								5.3	8.9
SSW		1.3		.7								2.0	8.0
SW		.7										.7	4.0
WSW	.7											.7	3.0
W	.7											.7	3.0
WNW													
NW													
NNW		1.3										1.3	5.5
VARBL												5.3	
CALM													
	10.7	27.3	41.3	15.3								100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

2

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

SEP

MONTH

08

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7										.7	6.0
NNE		.7	.7									1.3	6.5
NE		.7										.7	5.0
ENE	.7	.7										1.3	4.5
E	1.3	2.7	1.3	1.3								6.7	6.6
ESE		2.7	5.3	4.0								12.0	9.3
SE	.7	6.7	16.7	14.0								38.0	9.3
SSE	.7	7.3	12.7	4.7								25.3	8.4
S	2.7	3.3	.7	.7	.7							7.3	7.7
SSW	.7	.7	.7									2.0	5.0
SW			.7									.7	8.0
WSW	.7											.7	3.0
W		.7										.7	4.0
WNW													
NW													
NNW		.7										.7	6.0
VARBL													
CALM												2.0	
	7.3	24.0	41.3	24.7	.7							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

11  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	3.0
NNE	.7		.7	.7								2.0	8.0
NE	1.3											1.3	1.5
ENE			.7									.7	8.0
E	.7	4.7	2.7	1.3								9.3	7.2
ESE	.7	1.3	6.7	8.7								17.3	10.3
SE	.7	.7	10.7	16.0								28.0	11.2
SSE		1.3	11.3	8.7								21.3	10.3
S		3.3	4.0	3.3								10.7	9.0
SSW	.7	2.0										2.7	4.5
SW	.7			.7								1.3	9.5
WSW													
W	.7	2.0		.7								3.3	6.2
WNW				.7								.7	12.0
NW													
NNW			.7									.7	8.0
VARBL													
CALM												.0	
	6.7	15.3	37.3	40.7								100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

14  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.7	.7	.7									2.0	6.3
NIE	1.3											1.3	2.0
ENE		.7										.7	5.0
E	1.3	2.7	1.3	1.3								6.7	6.9
ESE	1.3	1.3	8.0	10.0								20.7	10.0
SE			10.7	14.7								25.3	11.4
SSE	.7	1.3	12.0	8.0	.7							22.7	10.4
S	2.0	3.3	5.3	4.0								14.7	8.5
SSW													
SW	.7	1.3										2.0	4.0
WSW			.7									.7	8.0
W	.7	.7	.7									2.0	5.0
WNW		.7										.7	6.0
NW													
NNW													
VARBL													
CALM												.7	
	8.7	12.7	39.3	38.0	.7							100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGU GARCIA

STATION NAME

73-77

YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

17  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		.7										.7	5.0
ENE	1.3	.7										2.0	3.7
E	.7	2.0	1.3	.7								4.7	7.1
ESE	.7	2.7	10.7	4.0								18.0	9.2
SE	.7	2.0	13.3	12.0								28.0	10.0
SSE	.7	4.7	14.0	8.0								27.3	9.1
S	.7		4.7	4.0	.7							10.0	10.3
SSW	.7	.7										1.3	3.0
SW	.7	.7	.7									2.0	4.7
WSW	.7	.7										1.3	4.0
W					.7							.7	20.0
WNW		.7										.7	5.0
NW			.7									.7	9.0
NNW													
VARB													
CALM												2.7	
	6.7	15.3	45.3	28.7	1.3							100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

SEP  
MONTH

20

20  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		1.3	.7									2.0	5.7
ENE													
E	.7	.7		.7								2.0	7.7
ESE	1.3	3.3	10.0	4.0								18.7	8.4
SE	2.0	12.0	16.7	4.0								34.7	7.5
SSE	.7	2.7	15.3	5.3								24.0	9.1
S	.7	2.0	1.3	2.7								6.7	8.4
SSW												.7	8.0
SW			.7									.7	6.0
WSW		.7										2.0	4.7
W		2.0											
WNW													
NW												1.3	7.0
NNW		.7	.7									7.3	
VARBL													
CALM													
	5.3	25.3	45.3	16.7								100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

SEP  
MONTH

ALL WEATHER

CLASS

23

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.7								.7	12.0
NNE													
NE				.7								.7	13.0
ENE			1.3									1.3	7.0
E	.7	1.3		.7								2.7	5.3
ESE	2.7	3.3	9.3	2.0								17.3	7.5
SE	4.7	10.7	22.0	8.7								46.0	7.7
SSE	1.3	3.3	11.3	2.7								18.7	8.2
S		1.3		1.3								2.7	8.8
SSW		1.3										1.3	6.0
SW		.7										.7	4.0
WSW		.7										.7	4.0
W		.7										.7	4.0
WNW													
NW	.7	.7										1.3	4.5
NNW			.7									.7	7.0
VARBL													
CALM												4.7	
	10.0	24.0	44.7	16.7								100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

SEP

MONTH

ALL WEATHER

CLASS

ALL

MOUSE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1		.1								.2	7.0
NNE	.2	.3	.3	.2								1.0	7.6
NE	.4	.3	.1	.1								.9	4.5
ENE	.5	.2	.3	.1								1.2	5.4
E	.7	2.2	1.1	.8	.1							5.0	6.9
ESE	1.1	2.5	8.6	4.5								16.7	8.9
SE	1.6	6.8	15.5	10.7								34.6	9.0
SSE	1.2	4.2	12.7	5.2	.1							23.4	8.7
S	.8	1.4	3.2	2.2	.2							7.8	8.8
SSW	.3	.8	.1	.1								1.3	5.1
SW	.2	.4	.2	.1								1.0	5.8
WSW	.2	.4	.1									.7	4.4
W	.2	.8	.1	.1	.1							1.3	5.9
WNW	.2	.2		.1								.2	7.7
NW	.1	.2	.1									.3	6.0
NNW		.3	.2									.6	6.6
VARBL													
CALM												3.6	
	7.8	21.3	42.6	24.2	.4							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

1200



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

UCT  
MONTH

02

HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N				1.3								1.3	12.0
NNE		.6										.6	6.0
NE				.6								.6	12.0
ENE		.6	1.3									1.9	7.0
E	.6	2.6	3.2	1.9								8.4	7.8
ESE	.6	5.2	7.1	2.6								15.3	7.8
SE		4.5	11.0	3.9								19.4	8.5
SSE	1.3	1.3	10.3	5.2	.6							18.7	9.3
S	.6	4.5	3.2	4.5	.6							13.5	8.8
SSW	1.3	1.3	2.6	1.3								6.5	7.5
SW													
WSW		1.9										1.9	5.3
W		1.3										1.3	5.5
WNW	.6	.6	1.3	.6								3.2	7.8
NW			1.3									1.3	6.0
NNW													
VARBL													
CALM												5.8	
	5.2	24.5	41.3	21.3	1.9							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

OCT

MONTH

ALL WEATHER

CLASS

05

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6		.6								1.3	11.0
NNE			1.3									1.3	8.0
NE		.6										.6	5.0
ENE			1.9									1.9	8.3
E		.6	4.5	3.2								8.4	9.6
ESE	.6	4.5	8.4	1.3								14.8	7.1
SE	1.9	5.2	12.9	3.9								23.9	7.9
SSE	1.3	1.9	7.1	4.5								14.8	8.9
S	1.3	5.2	9.0	3.2								18.7	8.0
SSW	1.3	2.6	.6	1.9								6.5	7.7
SW													
WSW		.6										.6	5.0
W		1.9		.6								2.6	8.3
WNW		1.3										1.3	5.5
NW			.6	.6								1.3	9.5
NNW													
VARBL													
CALM												1.9	
	6.5	25.2	46.5	20.0								100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

007

MONTH

ALL WEATHER

CLASS

08

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.6									1.3	6.0
NNE				.6								.6	16.0
NE	.6	1.3										1.9	3.3
ENE		1.3	.6	.6								2.6	8.8
E	.6	1.3	2.6	5.2								9.7	9.6
ESE		3.2	10.3	3.9								17.4	9.1
SE		1.9	9.0	4.5								15.5	9.7
SSE	.6		7.7	10.3								18.7	11.1
S		3.2	6.5	5.2								14.8	9.7
SSW	.6	1.3	1.9									3.9	6.3
SW		.6		.6								1.3	6.3
WSW	.6	1.3		.6								2.6	6.5
W	1.9		1.9	.6								4.5	5.9
WNW		.6	.6									1.3	7.0
NW													
NNW	.6	.6		.6								1.9	5.3
VARBL													
CALM												1.9	
	5.8	17.4	41.9	32.9								100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

OCT

MONTH

ALL WEATHER  
CLASS

11

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				1.3								1.3	15.0
NNE	.6	1.3	1.3	.6								3.9	6.5
NE	1.3											1.3	2.0
ENE		.6	1.9									2.6	7.3
E		2.6	6.5	4.5								13.5	9.5
ESE		.6	7.1	4.5								12.3	9.7
SE			5.8	10.3								16.1	11.8
SSE			5.2	15.5								20.6	12.3
S		1.3	5.2	5.2								11.6	9.8
SSW	.6	1.9	3.2	1.3								7.1	7.7
SW	.6	1.3	1.3	1.3								4.5	7.9
WSW	.6	.6	1.3									2.6	6.3
W		.6	.6									1.3	6.0
WNW				.6								.6	16.0
NW				.6								.6	14.0
NNW													
VARBL													
CALM												.0	
	3.9	11.0	39.4	45.8								100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

UCT  
MONTH

ALL WEATHER  
CLASS

14  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.9	1.3									3.2	6.4
NE		.6	.6									1.3	6.0
ENE	1.3	.6										1.9	2.7
E		2.6	6.5	1.9								11.0	8.7
ESE		1.9	5.8	6.5								14.2	9.8
SE		.6	5.8	12.3								18.7	11.1
SSE			7.7	9.0								16.8	11.5
S		.6	7.7	7.1								15.5	10.4
SSW	.6	1.3	2.6	.6								5.2	8.0
SW		1.3	1.3									2.6	7.0
WSW		1.9	1.3									3.2	6.8
W		1.3	1.3									2.6	6.8
WNW				1.3	.6							1.9	16.0
NW		.6										.6	6.0
NNW				.6								.6	14.0
VARB													
CALM												.6	
	1.9	15.5	41.9	39.4	.6							100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

OCT

MONTH

ALL WEATHER

CLASS

17

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3			.6							2.6	8.0
NNE		.6		.6								1.3	8.0
NE		.6	.6	.6								1.9	8.3
ENE	.6	1.9	.6									3.2	4.8
E		1.9	3.2	2.6								7.7	8.8
ESE		.6	7.1	5.8								13.5	10.2
SE		1.3	9.7	8.4								19.4	10.2
SSE	.6	4.5	6.5	7.1								18.7	9.5
S		3.9	7.1	6.5								17.4	9.8
SSW		.6	1.9	.6								3.2	8.2
SW	1.3	.6	3.2									5.2	6.5
WSW			.6									.6	7.0
W	.6	.6	.6									1.9	4.7
WNW			.6	.6								1.3	10.0
NW	.6											.6	1.0
NNW		.6	.6									1.3	6.5
VARBL													
CALM												.0	
	4.5	19.4	42.6	32.9	.6							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

OCT  
MONTH

20

HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6									.6	8.0
NNE			1.3	.6								1.9	9.7
NE		.6										.6	4.0
ENE		1.3										1.3	5.5
E		2.6	4.5	2.6								9.7	9.1
ESE	1.9	5.8	9.0	.6	.6							18.1	7.1
SE	.6	4.5	9.7	5.8								20.6	9.1
SSE	1.3	2.6	9.7	5.2								18.7	8.9
S	.6	3.9	5.8	3.2								13.5	8.1
SSW		3.2	3.2	.6								7.1	6.9
SW			.6									.6	7.0
WSW	.6		1.3									1.9	6.0
W	.6	.6										1.3	4.0
WNW					.6							.6	18.0
NW	1.3			.6								1.9	5.7
NNW			.6									.6	10.0
VARB													
CALM												.6	
	7.1	25.2	46.5	19.4	1.3							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

OCT

MONTH

23

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6									.6	10.0
NNE				.6								.6	12.0
NE													
ENE		1.3	1.9									3.2	7.2
E	1.3	.6	4.5	3.2								9.7	8.8
ESE	1.9	3.9	9.7	.6	.6							16.8	7.8
SE	.6	5.8	12.3	3.2								21.9	8.0
SSE	.6	3.2	9.0	1.9								14.8	8.3
S	1.3	5.8	5.2	1.9	.6							14.8	6.0
SSW		1.9	2.6	.6								5.2	7.8
SW	.6	.6		.6								1.9	6.0
WSW	.6	.6										1.3	3.5
W	.6	.6		.6								1.9	6.0
WNW		.6		.6								1.3	9.5
NW				.6								.6	14.0
NNW				.6								1.3	11.0
VARBL			.6	.6									
CALM												3.9	
	7.7	25.2	46.5	15.5	1.3							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	.2	.4	.1							1.1	9.9
NNE	.1	.6	.6	.4								1.7	7.9
NE	.2	.5	.2	.2								1.0	5.5
ENE	.2	1.0	1.0	.1								2.3	6.5
E	.3	1.9	4.4	3.1								9.8	9.0
ESE	.6	3.2	8.1	3.2	.2							15.3	8.5
SE	.4	3.0	9.5	6.5								19.4	9.4
SSE	.7	1.7	7.9	7.3	.1							17.7	10.0
S	.5	3.5	6.2	4.6	.2							15.0	9.0
SSW	.6	1.8	2.3	.9								5.6	7.5
SW	.3	.6	.8	.3								2.0	7.1
WSW	.3	.9	.6	.1								1.9	6.0
W	.5	.9	.6	.2								2.2	6.1
WNW	.1	.4	.3	.4	.2							1.5	10.3
NW	.2	.1	.2	.3								.9	7.9
NNW	.1	.2	.2	.2								.7	8.3
VARBL													
CALM												1.9	
	5.3	20.4	43.3	28.4	.7							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

1240



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

NOV  
MONTH

02

ALL WEATHER  
CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	.7									2.7	5.3
NNE													
NE	.7		.7									1.3	5.0
ENE		2.0	.7									2.7	5.8
E	1.3	4.7	2.0									8.0	5.0
ESE	.7	5.3	5.3									11.3	6.3
SE	4.7	8.7	6.0									19.3	5.8
SSE	.7	6.0	12.0	3.3								22.0	7.8
S	.7	2.7	2.7	.7								6.7	6.8
SSW			1.3									1.3	8.0
SW			.7	.7								1.3	10.0
WSW			.7									.7	10.0
W		1.3	4.7	.7								6.7	8.5
WNW	1.3	1.3		.7								3.3	6.0
NW		1.3	2.0	.7								4.0	7.8
NNW		1.3	1.3	.7								3.3	8.0
VARBL													
CALM												5.3	
	10.7	36.0	40.7	7.3								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

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STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

NOV

MONTH

ALL WEATHER  
CLASS

05

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3		1.3									2.7	5.5
NNE	.7			.7								1.3	8.5
NE	.7											.7	1.0
ENE	.7	2.7	.7									4.0	5.3
E		2.7		.7								3.3	6.2
ESE	1.3	6.7	5.3									13.3	6.0
SE	1.3	6.0	6.7									16.0	6.0
SSE	.7	6.7	13.3	3.3								24.0	7.8
S	2.0	1.3	4.7	.7								8.7	6.8
SSW		1.3	2.0									3.3	6.4
SW		1.3	1.3									2.7	7.0
WSW		.7	.7									1.3	7.0
W			4.0									4.0	8.3
WNW	1.3		2.0									3.3	6.2
NW		1.3		2.0								3.3	9.2
NNW		2.0	.7									2.7	6.0
VARBL													
CALM												5.3	
	10.0	34.7	42.7	7.3								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

08  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.7									2.0	5.7
NNE	.7		1.3		.7							2.7	9.8
NE	1.3	.7										2.0	3.3
ENE			.7									.7	8.0
E	1.3	4.0	3.3									8.7	6.2
ESE	1.3	4.7	3.3	3.3								12.7	7.4
SE	.7	3.3	7.3	2.7								14.0	8.4
SSE		4.0	9.3	5.3								18.7	9.1
S	.7	5.3	6.0	2.0								14.0	7.3
SSW		.7	.7									1.3	7.5
SW			2.0	.7								2.7	10.3
WSW	.7		2.0									2.7	6.8
W	.7	1.3	2.7									4.7	6.3
WNW		.7	1.3									2.0	8.7
NW		1.3	1.3	.7								3.3	8.0
NNW	.7	2.0	.7									3.3	6.2
VARBL													
CALM												4.7	
	8.0	29.3	42.7	14.7	.7							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

11  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.7	.7								4.0	5.5
NNE	.7	1.3	1.3									3.3	5.0
NE		.7	.7									1.3	7.5
ENE			2.0									2.0	8.0
E	2.7	3.3	4.0	1.3								11.3	6.2
ESE	1.3	2.0	6.0	4.0	.7							14.0	8.7
SE		1.3	6.0	2.7								10.0	9.3
SSE	.7	2.0	8.7	7.3								18.7	9.8
S		3.3	7.3	2.7								13.3	8.5
SSW		2.0	2.0									4.0	6.7
SW		.7	1.3									2.0	7.3
WSW			.7									.7	8.0
W	.7	2.7	4.0									7.3	6.5
WNW			2.7									2.7	8.3
NW			.7	1.3								2.0	11.7
NNW			1.3									1.3	8.5
VARBL													
CALM												2.0	
	7.3	20.7	49.3	20.0	.7							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

5702 SURFACE WINDS JAN 78

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STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

NOV

MONTH

ALL WEATHER

CLASS

14

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.3									2.7	6.3
NNE		1.3	.7									2.0	6.7
NE	.7	.7	1.3									2.7	5.5
ENE			.7									.7	8.0
E	2.0	2.7	5.3	.7								10.7	6.9
ESE		1.3	6.7	4.7	.7							13.3	10.1
SE	.7	1.3	4.0	4.7								10.7	9.4
SSE		1.3	12.0	3.3								16.7	9.3
S		4.0	8.7	3.3								16.0	8.6
SSW			2.7									2.7	8.3
SW		1.3	1.3									2.7	6.8
WSW	.7		1.3									2.0	6.0
W			2.7	2.0								4.7	9.7
WNW			3.3	1.3								4.7	10.0
NW		.7	3.3	2.0								6.0	9.8
NNW			.7									.7	4.0
VARB													
CALM												1.3	
	4.7	16.0	55.3	22.0	.7							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

17  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	.7	1.3								4.0	7.0
NNE		.7	.7									1.3	6.0
NE			.7									.7	8.0
ENE		1.3										1.3	5.0
E			2.7	1.3								4.0	11.0
ESE		7.3	3.3	1.3								12.0	7.3
SE		6.0	11.3	1.3								18.7	7.8
SSE	1.3	2.7	10.7	4.0								18.7	8.3
S	.7	2.7	5.3	3.3								12.0	8.9
SSW	.7	3.3	1.3									5.3	6.1
SW		1.3	3.3									4.7	8.0
WSW													
W		.7	4.7									5.3	8.4
WNW			3.3	.7								4.0	8.7
NW		1.3	2.0									3.3	7.0
NNW		.7	2.7									3.3	8.8
VARBL													
CALM												1.3	
	3.3	29.3	52.7	13.3								100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

150

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NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

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ALL WEATHER

CLASS

20

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7	.7								1.3	6.5
NNE	.7	.7	.7	.7								2.7	7.0
NE	1.3	1.3										1.3	4.0
ENE	.7	.7	.7									1.3	6.5
E	1.3	4.0	2.0	1.3								8.7	6.7
ESE	2.7	2.7	2.7									8.0	5.3
SE	4.0	10.0	10.0	.7								24.7	6.1
SSE	2.0	5.0	10.7	2.0								20.7	7.3
S	.7	2.0	6.7									9.3	7.3
SSW			.7									.7	7.0
SW		.7										.7	5.0
WSW	1.3		.7									2.0	4.3
W	.7	.7	4.7	.7								6.7	8.3
WNW	.7	.7	1.3	.7								3.3	6.8
NW	.7	.7	2.0									3.3	6.4
NNW		1.3	.7									2.0	5.7
VARBL													
CALM												3.3	
	14.7	32.0	44.0	6.0								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

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MONTH

ALL WEATHER  
CLASS

23  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	1.3									2.0	6.7
NNE													
NE	.7		.7	.7								2.0	8.0
ENE	.7	2.0	.7	.7								4.0	6.2
E	2.0	1.3	2.7	.7								6.7	6.1
ESE	2.0	2.0	5.3	.7								10.0	6.5
SE	3.3	10.7	8.0	.7								22.7	5.9
SSE	2.7	7.3	8.0	2.0								20.0	6.7
S		4.0	6.0	.7								10.7	7.1
SSW		.7	1.3									2.0	6.7
SW			.7	.7								1.3	12.0
WSW	.7	.7	1.3	.7								3.3	7.0
W		.7	3.3	.7								4.7	8.6
WNW			.7									.7	9.0
NW	.7	3.3	.7									4.7	4.7
NNW		1.3										1.3	4.0
VARBL													
CALM												4.0	
	12.7	34.7	40.7	8.0								100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

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YEARS

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ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.9	.9	.2								2.7	6.0
NNE	.3	.5	.6	.2	.1							1.7	7.1
NE	.5	.4	.5	.1								1.5	5.4
ENE	.2	1.1	.7	.1								2.1	6.2
E	1.3	2.8	2.7	.7								7.7	6.5
ESE	1.2	4.0	4.7	1.7	.2							11.8	7.3
SE	1.8	6.2	7.4	1.6								17.0	7.0
SSE	1.0	4.5	10.6	3.8								19.9	8.2
S	.6	3.2	5.9	1.7								11.3	7.8
SSW	.1	1.0	1.5									2.6	6.8
SW	.7	.7	1.3	.2								2.2	8.3
WSW	.4	.2	.9	.1								1.6	6.6
W	.2	.9	3.8	.5								5.5	8.0
WNW	.4	.3	1.8	.4								3.0	7.9
NW	.2	1.2	1.5	.8								3.7	7.9
NNW	.1	1.2	.9	.1								2.2	6.9
VARBL													
CALM												3.4	
	8.9	29.1	46.0	12.3	.2							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

1200



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

DEC

MONTH

ALL WEATHER

CLASS

02

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.6	1.9									3.9	6.2
NNE		1.3	.6									1.9	5.3
NE	.6											.6	3.0
ENE		1.9	.6									2.6	5.3
E	1.3	5.2	1.3									7.7	5.2
ESE		.6										.6	4.0
SE	1.9	3.2										5.2	4.3
SSE	1.9	2.6	.6									5.2	4.5
S	4.5	2.6	1.3	.6								9.0	4.6
SSW		1.9										1.9	4.7
SW		.6		.6								1.3	9.0
WSW		1.3		1.3								2.6	8.5
W	2.6	3.9	2.6	2.6	1.9							13.5	8.8
WNW		2.6	2.6	1.3								6.5	8.2
NW	1.3	4.5	1.9	2.6	.6							11.0	7.8
NNW	1.3	4.5	1.9	.6	.6							9.0	6.7
VARBL													
CALM												17.4	
	16.8	37.4	15.5	9.7	3.2							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

05  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.6	1.3									3.2	5.6
NNE	.6	.6	.6									1.9	4.3
NE		1.3	.6									1.9	5.7
ENE	1.9	1.3										3.2	3.6
E	.6	1.9	1.3									3.9	6.2
ESE	1.3		.6									1.9	4.3
SE	3.9	3.2	.6									7.7	3.6
SSE	1.3	2.6	1.3									5.2	5.5
S	1.3	3.2	1.3									5.8	5.4
SSW		1.3		.6								1.9	7.0
SW		.6	1.3									1.9	7.3
WSW	.6	.6		.6								1.9	7.0
W	1.9	5.2	4.5	4.5	.6							16.8	8.2
WNW	1.9		1.9	2.6								6.5	8.5
NW	2.6	3.9	6.5	.6	.6							14.2	6.8
NNW		4.5	1.3	.6								6.5	6.7
VARBL													
CALM												15.5	
	19.4	31.0	23.2	9.7	1.3							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEAR

DEC

MONTH

ALL WEATHER  
CLASS

08  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.6									3.2	4.4
NNE	.6	.6										1.3	3.5
NE	.6	1.3		.6								2.6	5.3
ENE	.6											.6	3.0
E	3.2	5.8	3.2									12.3	5.1
ESE		3.2	.6									3.9	5.2
SE		2.6	.6									3.2	6.0
SSE	.6	3.9	1.9									6.5	5.6
S		3.2	2.6	.6								6.5	7.4
SSW	1.9	1.3	.6									3.9	4.2
SW	.6	1.9	1.3									3.9	5.2
WSW	.6	.6	5.2									6.5	7.6
W	.6	2.6	3.2	1.3								7.7	7.8
WNW	1.3	1.3	3.9	3.9	.6							11.0	9.5
NW	1.3	1.9	6.5	1.9	.6							12.3	8.5
NNW	1.9	.6	3.2	1.3								7.1	6.9
VARBL													
CALM												7.7	
	15.5	32.3	33.5	9.7	1.3							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

2

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

11  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.6	1.3									4.5	5.3
NNE	1.3	.6										1.9	3.3
NE	2.6	1.3										3.9	3.3
ENE	.6	2.6	.6									3.9	4.7
E	1.9	1.9	3.2									7.1	5.5
ESE		2.6	3.2	.6								6.5	7.4
SE		1.9	2.6	.6								5.2	7.6
SSE		2.6	3.9	.6								7.1	7.9
S	.6	1.3	1.3									3.2	5.8
SSW	1.3	1.3	.6									3.2	4.8
SW	1.9	2.6	1.9	.6								7.1	6.1
WSW	1.3	.6	1.9									3.9	5.5
W	1.9	5.2	4.5	1.3								12.9	6.7
WNW		1.9	3.9	5.2								11.0	10.1
NW		1.3	1.9	6.5								9.7	11.1
NNW		.6	3.9	1.9								6.5	10.0
VARB													
CALM												2.6	
	14.2	31.0	34.8	17.4								100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

DEC

MONTH

14

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.9	1.9									5.8	5.7
NNE	1.9	.6	.6									3.2	3.6
NE	.6	1.3										1.9	3.7
ENE	1.3	1.9	1.3									4.5	4.7
E	.6	4.5	1.3	.6								7.1	5.7
ESE		1.9	3.9	.6								6.5	7.4
SE		1.3	.6	.6								2.6	7.3
SSE			3.9									3.9	8.2
S	1.3	1.9	3.2									6.5	6.5
SSW		1.9	1.3									3.2	5.4
SW	.6	1.9	.6	.6								3.9	7.0
WSW	1.3	3.9	1.3	.6								7.1	5.7
W		7.1	3.9	2.6								13.5	7.3
WNW		1.3	5.8	6.5	.6							14.2	11.0
NW		.6	1.3	3.9	.6							6.5	12.1
NNW	.6	1.9	3.2	1.3	1.3							8.4	9.8
VARBL												1.3	
CALA												100.0	7.6
	8.4	36.1	34.2	17.4	2.6								

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

17  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.6									3.2	4.4
NNE	.6	.6	.6									1.9	4.7
NE	1.9											1.9	2.7
ENE	1.3	1.9										3.2	4.4
E	1.9	2.6	2.6									7.1	3.4
ESE	.6	3.2	1.3	.6								5.8	6.6
SE	.6	3.2	1.3									5.2	3.6
SSE		2.6		1.3								3.9	7.3
S	.6	1.3	1.9									3.9	6.2
SSW	.6	2.6	.6									3.9	5.3
SW		3.9										3.9	5.0
WSW	3.2	3.2	3.2									9.7	5.3
W	1.9	2.6	7.1	3.2								14.8	8.4
WNW		2.6	5.2	1.3	1.3							10.3	9.8
NW	2.6	1.9	4.5	1.9								11.0	7.6
NNW	.6	3.2	1.9	.6								6.5	7.0
VARBL													
CALM												3.9	
	18.1	36.8	31.0	9.0	1.3							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

DEC

MONTH

ALL WEATHER

CLASS

20

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9										1.9	4.7
NNE			.6									.6	10.0
NE													
ENE	1.3	2.6										3.9	4.5
E	3.2	2.6	2.6									8.4	4.5
ESE	1.3		.6		.6							2.6	8.8
SE	2.6	1.3	2.6									6.5	5.2
SSE	3.2	2.6	.6									6.5	4.4
S	1.9	1.9	1.3	.6								5.8	5.7
SSW	2.6	3.2	.6									6.5	3.9
SW	.6	1.9	.6									3.2	6.6
WSW	.6	.6	2.6									3.9	6.5
W	1.3	1.9	4.5	3.2								11.0	8.7
WNW	.6	3.2	5.2	3.9								12.9	9.2
NW		6.5	1.3	.6								8.4	6.1
NNW	.6	3.2	3.9									7.7	6.0
VARBL													
CALA												10.3	
	20.0	33.5	27.1	8.4	.6							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

DEC

MONTH

23

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.9	1.3	.6								4.5	6.0
NNE													
NE													
ENE		1.9											
E	1.9	4.5	1.9	.6								1.9	5.3
ESE	.6	1.9										9.0	5.6
SE	1.9	.6		.6								2.6	4.3
SSE	3.9	3.9										2.6	5.0
S	2.6	2.6	.6									7.7	3.8
SSW	.6	1.3	.6									5.8	3.9
SW	.6	1.3	1.3									2.6	5.8
WSW	1.9	.6	.6	.6								3.2	6.2
W	.6	3.9	.6	3.9	.6							3.9	9.3
WRW		3.2	1.9	1.9		.6						9.7	9.8
NW	1.3	4.5	4.5	1.9								7.1	8.5
NNW	1.3	2.6	1.9									12.3	7.4
VARBL												5.8	5.1
CALM												21.3	
	15.5	36.1	15.5	10.3	.6	.6						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	1.8	1.1	.1								3.8	5.4
NNE	.6	.6	.4									1.6	4.4
NE	.8	.6	.1	.1								1.6	4.0
ENE	.9	1.8	.3									3.0	4.5
E	1.9	3.6	2.2	.2								7.8	5.3
ESE	.5	1.7	1.3	.2	.1							3.8	6.5
SE	1.3	2.2	1.0	.2								4.8	5.3
SSE	1.4	2.6	1.5	.2								5.7	5.7
S	1.6	2.3	1.7	.2								5.8	5.6
SSW	.9	1.9	.6	.1								3.4	4.9
SW	.6	1.9	.9	.2								3.5	6.0
WSW	1.0	1.6	1.9	.4	.1							4.9	6.6
W	1.4	4.0	3.9	2.6	.3	.1						12.5	8.2
WNW	.5	2.0	3.8	3.3	.3							9.9	9.5
NW	1.1	3.1	3.5	2.5	.3							10.6	8.2
NNW	.8	2.7	2.7	.8	.2							7.2	7.3
VARBL												10.0	
CALM													
	16.0	34.3	26.9	11.5	1.4	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

ALL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.8	.5	.2	.0							1.9	6.1
NNE	.3	.5	.3	.1	.0							1.2	5.9
NIE	.3	.4	.2	.1								1.0	5.1
ENE	.4	.8	.4	.1	.0							1.7	5.5
E	.6	2.2	2.6	1.1	.0							6.7	7.5
ESE	1.1	3.1	5.9	3.3	.2							13.6	8.5
SE	1.7	4.4	7.6	4.5	.2							18.4	8.3
SSE	1.4	3.3	6.5	3.1	.0							14.3	8.1
S	1.3	2.6	3.2	1.3	.1							8.4	7.3
SSW	.7	1.2	.8	.2	.0							2.9	5.7
SW	.5	1.0	.6	.2								2.3	5.9
WSW	.6	1.3	1.0	.2	.0	.0						3.2	6.4
W	1.0	2.5	2.8	1.1	.1	.0						7.5	7.4
WNW	.6	1.1	1.9	1.2	.1	.0						5.0	8.6
NW	.6	1.1	1.4	.9	.1	.0	.0					4.2	8.0
NNW	.5	1.0	1.0	.4	.0							3.0	7.2
VARBL													
CALM												4.8	
	12.1	27.3	36.8	17.9	1.0	.1	.0					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

14602

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

ALL  
MONTH

INSTRUMENT  
CLASS

ALL  
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.0	1.0	1.4								4.0	8.4
NNE	.6	.4	1.0	.3								2.3	7.1
NE	.1	.9	.3	1.1								2.4	6.8
ENE	.6	.7	.7	.4	.1							2.6	7.2
E	.4	2.7	3.0	1.6	.1							7.8	8.0
ESE	.9	1.6	5.6	5.1	.7							13.8	10.2
SE	.6	2.6	4.4	4.7	.1							12.4	9.4
SSE	.4	2.6	4.0	3.0								10.0	8.7
S	.4	.6	2.1	1.1	.3							4.0	9.2
SSW	.4	1.0	.6	1.0								3.0	8.4
SW	.1	.1	.6	.6								1.4	9.8
WSW		.7	1.7	.4	.3	.1						3.3	9.8
W	.7	1.9	3.1	3.0	.6							9.3	9.7
WNW	.4	1.7	2.8	2.7	.4							8.1	9.7
NW	.3	1.0	2.7	2.1	.7							6.8	10.3
NNW	.1	1.7	2.0	1.0	.6							5.4	9.2
VARBL												2.8	
CALM													
	6.7	21.1	35.6	29.6	4.0	.1						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

702

DIRNAVOCEANMET SMOS

## PART D

## CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.



# EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 1800															
≥ 1500					91.0										92.6
≥ 1200															
≥ 1000															
≥ 900															
≥ 800															
≥ 700															
≥ 600															
≥ 500															
≥ 400										97.4					98.1
≥ 300															
≥ 200															
≥ 100															
0					95.4		96.9			98.3					100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

## PART D

### ADDITIONAL EXAMPLES

#### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles.

Likewise, the percentage of observations with ceiling  $< 500$  feet and/or visibility  $< 1$  mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $> 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

# PART D

## SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10



# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING		45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000		56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000		56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000		56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000		58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000		63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000		67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000		67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000		74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000		76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000		76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000		76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500		76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000		76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500		76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3000		76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500		76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000		77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800		77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1500		87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1200		89.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000		94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0		94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000		52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000		59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000		59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000		59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000		64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 9000		67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000		73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000		74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 6000		74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 5000		75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4500		75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000		75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3500		75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3000		75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500		76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000		76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1800		76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1500		85.8	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1200		88.4	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000		93.6	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		93.6	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		93.6	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		93.6	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		93.6	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		93.6	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		93.6	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		93.6	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		93.6	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		93.6	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		93.6	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 18000		50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 16000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000		52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000		54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000		65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 8000		65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000		77.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000		80.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000		80.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500		81.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000		81.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500		81.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000		81.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2500		81.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000		81.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800		82.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500		82.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1200		82.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1000		88.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 900		88.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 800		88.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 700		88.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 600		88.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 500		88.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 400		88.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 300		88.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 200		88.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 100		88.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 0		88.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6

TOTAL NUMBER OF OBSERVATIONS

155



2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING		34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 20000		52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000		52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000		53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000		55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 12000		60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000		63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000		63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000		75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 7000		77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000		77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000		77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500		78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000		78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500		78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000		78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500		78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2000		78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800		78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500		86.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200		87.7	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000		92.3	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900		92.3	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800		92.3	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700		92.3	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600		92.3	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500		92.3	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400		92.3	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300		92.3	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200		92.3	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100		92.3	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0		92.3	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

5703 CEILING VERSUS VISIBILITY JAN 78

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JAN  
MONTH

14

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING		22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
≥ 20000		43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
18000		43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
16000		44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
14000		47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
12000		54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
10000		55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
9000		55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
8000		67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
7000		69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
6000		71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
5000		71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
4500		71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
4000		72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
3500		72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
3000		72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
2500		72.9	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
2000		72.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
1800		72.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
1500		86.5	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
1200		90.3	92.9	93.6	93.6	93.6	94.2	94.2	94.2	94.8	94.8
1000		95.5	98.1	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0
900		95.5	98.1	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0
800		95.5	98.1	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0
700		95.5	98.1	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0
600		95.5	98.1	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0
500		95.5	98.1	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0
400		95.5	98.1	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0
300		95.5	98.1	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0
200		95.5	98.1	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0
100		95.5	98.1	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0
0		95.5	98.1	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JAN  
MONTH

17

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000		25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 18000		45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 16000		45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 14000		45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 12000		48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 10000		57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 7000		71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000		74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 5000		76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500		76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000		78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500		78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000		78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500		78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000		78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800		78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500		88.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200		92.3	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000		95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0		95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JAN  
MONTH

20

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 20000		57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
18000		57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
16000		57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
14000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
12000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
10000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
9000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
8000		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
7000		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
6000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
5000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
4500		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
4000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
3500		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
3000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2500		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2000		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
1800		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
1500		90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
1200		91.6	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1000		94.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900		94.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800		94.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700		94.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600		94.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500		94.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400		94.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300		94.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200		94.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100		94.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		94.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000	45.2	45.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 18000	57.4	57.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	57.4	57.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	58.1	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	67.7	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	79.4	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000	80.7	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4500	81.3	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4000	81.3	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	81.3	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000	81.9	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	81.9	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	82.6	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800	82.6	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1500	90.3	91.0	91.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	91.0	91.6	91.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	94.2	95.5	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	94.2	95.5	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	94.2	95.5	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	94.2	95.5	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	94.2	95.5	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	94.2	95.5	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.2	95.5	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.2	95.5	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.2	95.5	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.2	95.5	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	94.2	95.5	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000		52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 18000		53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 16000		53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000		55.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 12000		62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 10000		65.6	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 9000		65.7	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 8000		74.5	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000		76.3	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 6000		77.2	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 5000		77.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500		77.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000		78.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500		78.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3000		78.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500		78.4	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2000		78.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1800		78.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1500		88.0	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1200		89.9	92.5	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1000		94.3	97.5	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900		94.3	97.5	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800		94.3	97.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700		94.3	97.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600		94.3	97.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500		94.3	97.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400		94.3	97.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		94.3	97.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200		94.3	97.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100		94.3	97.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0		94.3	97.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

TOTAL  
1951-1952

DIEGO GARCIA

STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING											
≥ 20000	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
18000	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
16000	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
14000	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
12000	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
10000	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
9000	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
8000	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
7000	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
6000	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
5000	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
4500	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
4000	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
3500	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
3000	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
2500	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
2000	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
1800	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
1500	89.4	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
1200	94.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
1000	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000		70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 18000		70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 16000		70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 14000		73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 12000		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 10000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 8000		83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 7000		83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 6000		83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 5000		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4500		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4000		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3500		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3000		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2500		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2000		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1800		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1500		92.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200		94.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000		97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900		97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700		97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600		97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500		97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400		97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200		97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100		97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0		97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000		61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 18000		61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000		61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000		63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000		70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 10000		75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 9000		75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 8000		85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 7000		85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 6000		86.5	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 5000		87.2	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
4500		87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
4000		87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
3500		87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
3000		87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
2500		87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
2000		88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
1800		88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
1500		92.2	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
1200		93.6	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
1000		96.5	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900		96.5	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800		96.5	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700		96.5	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600		96.5	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500		96.5	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400		96.5	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300		96.5	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200		96.5	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100		96.5	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		96.5	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FEB  
MONTH

11

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 20000	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 18000	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 16000	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 14000	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 10000	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 9000	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 8000	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 7000	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 6000	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 5000	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4500	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4000	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3500	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3000	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2500	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2000	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	92.9	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	96.5	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 20000		57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
AI 18000		58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
AI 16000		58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
AI 14000		58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
AI 12000		68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
AI 10000		70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
AI 9000		70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
AI 8000		80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
AI 7000		81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
AI 6000		81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
AI 5000		82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
AI 4500		82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
AI 4000		82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
AI 3500		82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
AI 3000		83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
AI 2500		83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
AI 2000		83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
AI 1800		83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
AI 1500		96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
AI 1200		97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
AI 1000		97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 900		97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 800		97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 700		97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 600		97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 500		97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 400		97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 300		97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 200		97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 100		97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 0		97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

17  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000		37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 18000		59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 16000		60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 14000		61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000		64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000		74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 9000		75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 8000		75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 7000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 6000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 5000		87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 4500		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 4000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3500		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2500		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500		92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200		95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000		97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900		97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800		97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700		97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600		97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500		97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400		97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 300		97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200		97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 100		97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
0		97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS

141



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

FEB

MONTH

20

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000		52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
AI 18000		65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
AI 16000		66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
AI 14000		66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
AI 12000		67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 10000		75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
AI 9000		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
AI 8000		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
AI 7000		85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
AI 6000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
AI 5000		87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
AI 4500		87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
AI 4000		87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
AI 3500		87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
AI 3000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
AI 2500		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
AI 2000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
AI 1800		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
AI 1500		93.6	94.3	94.3	94.3	94.3	94.3	95.0	95.0	95.0	95.0	95.0
AI 1200		94.3	97.2	97.2	97.2	97.2	97.2	97.9	97.9	97.9	97.9	97.9
AI 1000		96.5	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
900		96.5	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
800		96.5	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
700		96.5	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
600		96.5	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
500		96.5	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
400		96.5	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
300		96.5	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
200		96.5	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
100		96.5	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
0		96.5	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 20000		65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000		65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000		65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 14000		68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 12000		73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 10000		75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 9000		75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 8000		82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 7000		83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 6000		83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 5000		83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 4500		83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4000		83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3500		83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3000		84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2500		84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2000		84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1800		84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1500		92.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200		95.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000		97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

141



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING		48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 20000		63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 18000		63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 16000		63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 14000		65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 12000		73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 10000		75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000		75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000		83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 7000		84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 6000		84.4	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 5000		85.2	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 4500		85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4000		85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3500		85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3000		85.9	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2500		85.9	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000		86.2	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800		86.2	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500		92.8	94.1	94.2	94.2	94.3	94.4	94.4	94.4	94.4	94.5
≥ 1200		95.1	96.9	97.1	97.1	97.2	97.3	97.3	97.3	97.3	97.3
≥ 1000		97.2	99.1	99.3	99.4	99.5	99.7	99.7	99.7	99.8	99.9
≥ 900		97.2	99.1	99.3	99.4	99.5	99.7	99.7	99.7	99.8	99.9
≥ 800		97.2	99.1	99.3	99.5	99.6	99.8	99.8	99.8	99.9	100.0
≥ 700		97.2	99.1	99.3	99.5	99.6	99.8	99.8	99.8	99.9	100.0
≥ 600		97.2	99.1	99.3	99.5	99.6	99.8	99.8	99.8	99.9	100.0
≥ 500		97.2	99.1	99.3	99.5	99.6	99.8	99.8	99.8	99.9	100.0
≥ 400		97.2	99.1	99.3	99.5	99.6	99.8	99.8	99.8	99.9	100.0
≥ 300		97.2	99.1	99.3	99.5	99.6	99.8	99.8	99.8	99.9	100.0
≥ 200		97.2	99.1	99.3	99.5	99.6	99.8	99.8	99.8	99.9	100.0
≥ 100		97.2	99.1	99.3	99.5	99.6	99.8	99.8	99.8	99.9	100.0
0		97.2	99.1	99.3	99.5	99.6	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1128

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 16000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 10000	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 9000	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 8000	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000		65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 18000		66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 16000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000		69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 12000		76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 10000		78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 9000		78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000		82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 7000		82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 6000		82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000		82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500		82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000		82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3500		82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000		82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500		82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000		82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800		82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500		95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200		96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 18000		58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000		58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000		59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000		61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000		69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 9000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 8000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000		83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500		85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1200		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAR  
MONTH

11

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING											
≥ 20000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 14000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 10000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 8000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 7000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 6000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 5000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2500	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1800	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING		43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 20000		56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000		56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000		56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 12000		63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 10000		66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 9000		66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 8000		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4500		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2500		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2000		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1800		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1500		94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

AD-A063 828

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C

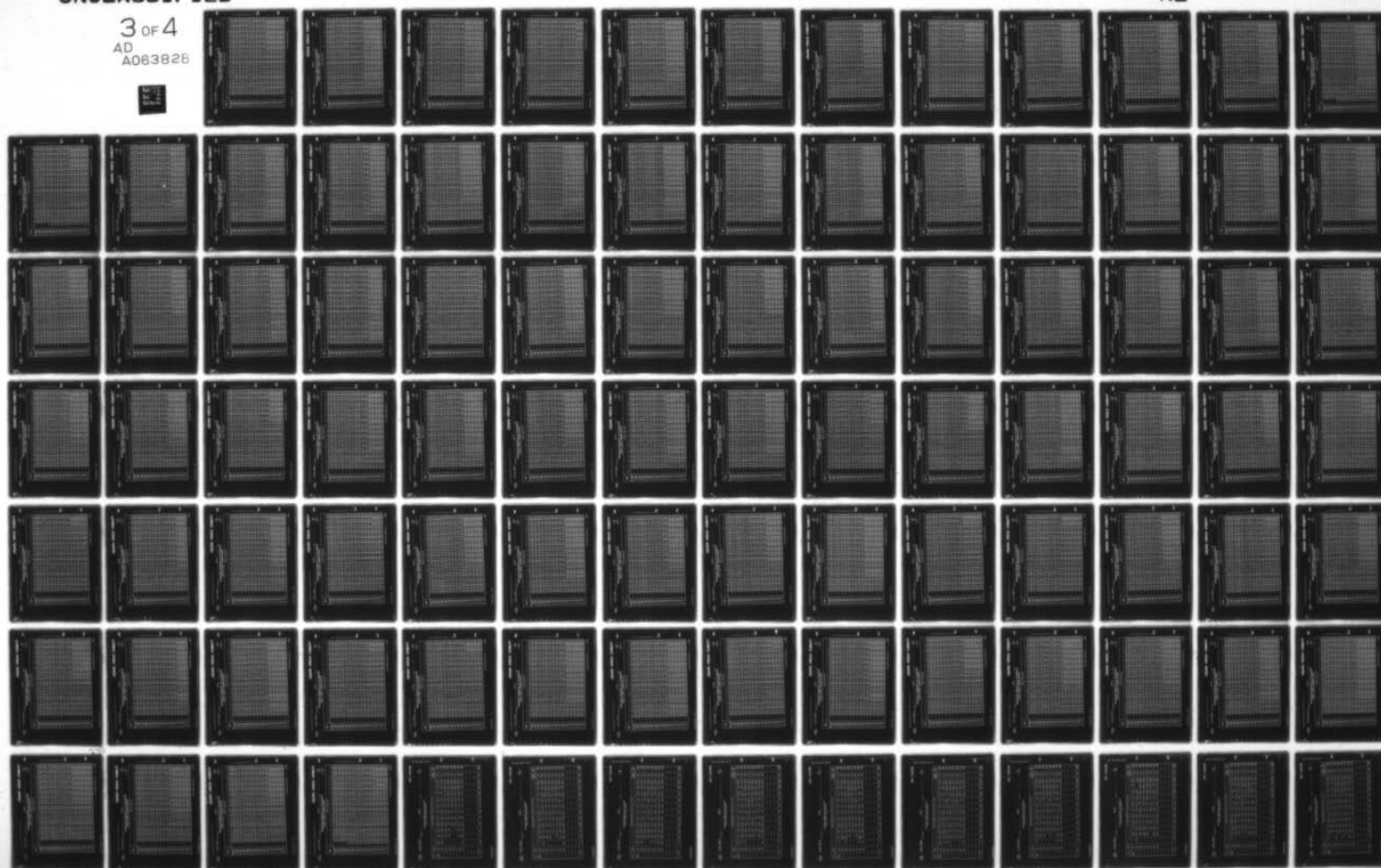
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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), DIEGO G--ETC(U)  
JUL 78

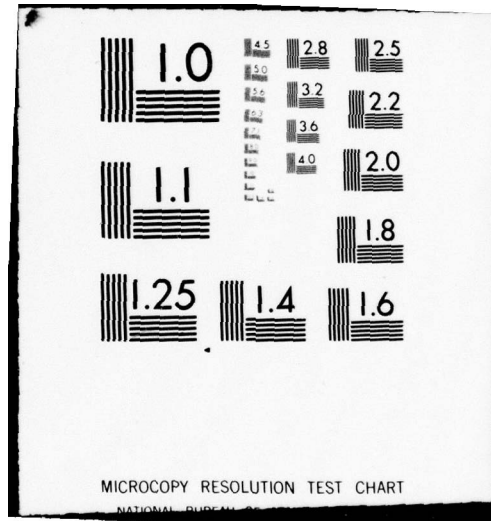
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3 OF 4  
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# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAR  
MONTH

17

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16
NO CEILING												
≥ 20000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 18000		57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000		58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000		61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 8000		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000		78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000		80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500		83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000		83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500		85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000		85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800		85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500		94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200		97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAR

MONTH

20

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000		67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
18000		67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
16000		67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
14000		69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
12000		73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
10000		76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
9000		76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
8000		81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
7000		83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
6000		83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
5000		85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
4500		85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
4000		87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
3500		87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
3000		89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
2500		89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
2000		89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1800		89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1500		96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1200		97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000		98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900		98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800		98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700		98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600		98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500		98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400		98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300		98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200		98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100		98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING		57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000		66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
AI 18000		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
AI 16000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
AI 14000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
AI 12000		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
AI 10000		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
AI 9000		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
AI 8000		83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
AI 7000		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
AI 6000		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
AI 5000		85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
AI 4500		85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
AI 4000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
AI 3500		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
AI 3000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
AI 2500		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
AI 2000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
AI 1800		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
AI 1500		96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 1200		97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 1000		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGU GARCIA

STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 20000		61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 18000		62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 16000		62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 14000		65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000		71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 10000		74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 9000		74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 8000		79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 7000		80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 6000		80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000		81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 4500		81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000		82.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3500		82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000		83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 2500		83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000		83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800		83.7	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1500		95.5	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0
≥ 1200		96.8	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4
≥ 1000		97.7	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 900		97.7	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 800		97.8	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 700		97.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 600		97.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 500		97.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		97.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		97.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200		97.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100		97.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0		97.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1240



2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000		54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000		68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 16000		68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 14000		68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 12000		69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 10000		73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 9000		75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 8000		75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000		83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 5000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 4500		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4000		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3500		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1800		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1500		93.3	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200		95.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		95.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		95.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		95.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		95.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		95.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		95.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		95.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300		95.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200		95.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100		95.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0		95.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

APR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)05  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING		49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000		59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
AI 18000		59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
AI 16000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
AI 14000		62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
AI 12000		66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
AI 10000		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
AI 8000		76.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
AI 7000		76.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
AI 6000		78.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
AI 5000		78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 4500		78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 4000		78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 3500		78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 3000		79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AI 2500		79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AI 2000		79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AI 1800		79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AI 1500		90.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
AI 1200		94.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 1000		94.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 900		94.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 800		94.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 700		94.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 600		94.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 500		94.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 400		94.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 300		94.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 200		94.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 100		94.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		94.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEARS

APR  
MONTH

08  
HOURS (L & T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 20000		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 18000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000		65.3	65.3	65.3	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0
≥ 10000		68.7	68.7	68.7	68.7	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3
≥ 9000		68.7	68.7	68.7	68.7	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3
≥ 8000		77.3	78.0	78.0	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000		80.7	81.3	81.3	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 6000		82.0	82.7	82.7	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000		82.7	83.3	83.3	83.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500		82.7	83.3	83.3	83.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000		82.7	83.3	83.3	83.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500		82.7	83.3	83.3	83.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3000		82.7	83.3	83.3	83.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2500		82.7	83.3	83.3	83.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000		83.3	84.0	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800		83.3	84.0	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500		90.7	91.3	91.3	91.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200		96.0	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000		97.3	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		97.3	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		97.3	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		97.3	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		97.3	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		97.3	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		97.3	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		97.3	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		97.3	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		97.3	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
0		97.3	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

APR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)11  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	
NO CEILING		44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 20000		62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000		64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 16000		65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 14000		66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000		68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 10000		71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 9000		71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000		77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 7000		78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000		79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000		81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500		81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4000		83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500		83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3000		84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2500		84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2000		84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800		84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1500		91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200		95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000		97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900		97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700		97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600		97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500		97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400		97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200		97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100		97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0		97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000		36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 18000		54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000		57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 14000		58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 12000		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000		62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 9000		67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 8000		67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 7000		74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 6000		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500		78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4000		78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500		78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3000		78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500		78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2000		78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1800		78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1500		91.3	93.3	93.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0
≥ 1200		94.7	96.7	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 1000		96.0	98.0	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 900		96.0	98.0	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 800		96.0	98.0	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 700		96.0	98.0	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 600		96.0	98.0	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 500		96.0	98.0	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 400		96.0	98.0	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 300		96.0	98.0	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 200		96.0	98.0	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 100		96.0	98.0	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 0		96.0	98.0	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGU GARCIA

STATION NAME

73-77

YEARS

APR  
MONTH

17  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING		33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 20000		56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
18000		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
AI AI 16000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
14000		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
AI AI 12000		64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
10000		69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
AI AI 9000		69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
8000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AI AI 7000		82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
6000		82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
AI AI 5000		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
4500		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
AI AI 4000		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
3500		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
AI AI 3000		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2500		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
AI AI 2000		87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
1800		87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
AI AI 1500		94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
1200		97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI AI 1000		98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900		98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI AI 800		98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700		98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI AI 600		98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500		98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI AI 400		98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300		98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI AI 200		98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100		98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI AI 0		98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000		66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000		69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 16000		71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 14000		71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 12000		75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 10000		76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 9000		77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
8000		84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
7000		86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
6000		88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
5000		89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
4500		89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
4000		89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
3500		89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
3000		89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2500		89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2000		89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
1800		89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
1500		91.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
1200		95.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000		96.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900		96.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800		96.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700		96.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600		96.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500		96.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400		96.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300		96.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200		96.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100		96.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		96.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

APR

MONTH

23

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING		58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000		66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 18000		68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 16000		69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 14000		70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000		72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 10000		74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 9000		74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 8000	.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 7000	.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 6000	.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 5000	.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4500	.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4000	.7	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	.7	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000	.7	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2500	.7	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	.7	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800	.7	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1500	.7	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	.7	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	.7	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	.7	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	.7	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	.7	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	.7	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	.7	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	.7	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	.7	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	.7	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	.7	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	.7	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000		61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 18000		63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 16000		64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000		65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 12000		68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 10000		71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 9000		71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 8000	.1	79.7	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 7000	.1	81.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000	.1	82.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 5000	.1	83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500	.1	83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000	.1	83.8	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3500	.1	83.8	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3000	.1	84.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2500	.1	84.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2000	.1	84.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1800	.1	84.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1500	.1	92.4	93.6	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200	.1	95.5	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	.1	96.3	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	.1	96.3	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	.1	96.3	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	.1	96.3	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	.1	96.3	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	.1	96.3	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	.1	96.3	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	.1	96.3	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	.1	96.3	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	.1	96.3	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	.1	96.3	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 20000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
18000		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
16000		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
14000		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
12000		78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
10000		83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
9000		83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
8000		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
7000		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
6000		85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
5000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
4500		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
4000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
3500		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
3000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
2500		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
2000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
1800		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
1500		94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1200		97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000		97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900		97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800		98.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700		98.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600		98.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500		98.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400		98.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300		98.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200		98.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100		98.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		98.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 18000		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 16000		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 14000		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 12000		78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 10000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 9000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 8000		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 7000		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 6000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 5000		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4500		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500		94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

5703 CEILING VERSUS VISIBILITY JAN 78

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000		66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
AI 18000		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
AI 16000		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
AI 14000		69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
AI 12000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
AI 10000		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
AI 9000		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
AI 8000		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
AI 7000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
AI 6000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
AI 5000		89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
AI 4500		89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
AI 4000		91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
AI 3500		91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
AI 3000		91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
AI 2500		91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
AI 2000		91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
AI 1800		91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
AI 1500		96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
AI 1200		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
AI 1000		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 900		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 800		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 700		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 600		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 500		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 400		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 300		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 200		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 100		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 0		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING												
≥ 20000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 16000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 14000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 12000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 10000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 9000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 5000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3500	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAY  
MONTH

14  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000		45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 18000		65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 16000		65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 14000		65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 12000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 10000		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 9000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1200		94.2	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000		96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING ≥ 20000		50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000		69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 16000		69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 14000		69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 12000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 10000		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 5000		83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500		85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3500		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500		95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200		99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

OIEGO GARCIA

STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING		65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
18000		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
16000		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
14000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
12000		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
10000		83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
9000		83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
8000		85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
7000		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
6000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
5000		88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
4500		89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
4000		89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
3500		89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
3000		89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
2500		89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
2000		89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1800		89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1500		94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1200		97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING		69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 20000		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 18000		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 16000		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 14000		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 12000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 10000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 9000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 8000		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 7000		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 6000		85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4500		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500		95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAY

MONTH

ALL

HOURS (LST)

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING		59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 20000		71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
18000		71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
16000		71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
14000		73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
12000		75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
10000		79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
9000		79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
8000		82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
7000		83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
6000		84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
5000		86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
4500		86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
4000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
3500		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
3000		86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
2500		86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
2000		87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
1800		87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
1500		94.9	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
1200		97.7	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000		97.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
900		97.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
800		98.0	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
700		98.0	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
600		98.0	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500		98.0	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400		98.0	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
300		98.0	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200		98.0	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100		98.0	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0		98.0	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

1240

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 20000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 18000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 16000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 14000		75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 12000		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 10000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
8000		82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
7000		82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
6000		82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
5000		83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
4500		83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
4000		84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
3500		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
3000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
2500		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
2000		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
1800		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
1500		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
1200		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
1000		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
900		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
800		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
700		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
600		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
500		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
400		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
300		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
200		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
100		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
0		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEAR

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 20000		77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
18000		77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
16000		77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
14000		77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
12000		80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
10000		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
9000		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
8000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
7000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
6000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
5000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
4500		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
4000		86.6	86.6	86.6	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
3500		86.6	86.6	86.6	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
3000		86.6	86.6	86.6	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
2500		86.6	86.6	86.6	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
2000		86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
1800		86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
1500		95.3	96.6	96.6	96.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
1200		97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000		97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900		97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800		97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700		97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600		97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500		97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400		97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300		97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200		97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100		97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

149

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000		72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 18000		74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 16000		74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 14000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 12000		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 10000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 9000		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 8000		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 7000		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 6000		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 5000		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4500		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4000		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3500		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3000		90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500		90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000		90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800		90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500		94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200		96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000		97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900		97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING		48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000		68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
18000		69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
16000		69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
14000		70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
12000		72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
10000		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
9000		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
8000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
7000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
6000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
5000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
4500		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
4000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
3500		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
3000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2500		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
1800		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
1500		92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
1200		98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUN  
MONTH

14  
HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 18000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 16000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 14000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 12000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 10000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 9000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 8000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 7000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 5000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2500	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1500	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1200	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000		70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 18000		71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 16000		71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 14000		73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 12000		76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 10000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 9000		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 8000		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000		82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 6000		82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 5000		82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500		82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4000		82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500		82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000		83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500		83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000		83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800		83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1500		92.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200		96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300		96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200		96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100		96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0		96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 18000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 16000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 14000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 12000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 10000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 9000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 7000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

5703 CEILING VERSUS VISIBILITY JAN 78

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 16000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 14000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 12000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 10000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 9000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 8000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 7000	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 6000	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 5000	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4500	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4000	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3500	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING		58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000		73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 18000		73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 16000		73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 14000		75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 12000		77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 10000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 9000		80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 8000		84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 7000		84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 6000		84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 5000		84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4500		84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4000		84.9	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 3500		85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000		85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2500		85.7	85.7	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2000		85.7	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1800		85.7	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1500		95.3	95.9	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200		97.8	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000		97.9	98.9	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		97.9	98.9	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		98.2	99.2	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		98.2	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		98.2	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		98.2	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		98.2	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		98.2	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200		98.2	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100		98.3	99.3	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
0		98.3	99.3	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1199



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

JUL  
MONTH

02  
HOURS (LST)

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 18000		52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000		53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000		54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 12000		59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 10000		63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 8000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 7000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 6000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4500		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4000		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3000		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1800		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1500		94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 0
NO CEILING												
≥ 20000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 6000	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1800	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	91.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

## CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUL  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)08  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
18000		51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
16000		52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
14000		53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
12000		54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
10000		57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
9000		62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
8000		63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
7000		69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
6000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
5000		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
4500		78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
4000		78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
3500		78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
3000		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
2500		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
2000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
1800		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
1500		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
1200		92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1000		96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900		97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800		97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700		97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600		97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500		97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400		97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300		97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200		97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100		97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0		97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155



2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 20000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 18000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 16000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 6000	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4500	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4000	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1500	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

5703 CEILING VERSUS VISIBILITY JAN 78

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000		27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 18000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000		52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000		52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 12000		56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000		63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 8000		63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 7000		69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 6000		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2500		72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2000		72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1800		74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 1500		74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 1200		92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000		95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900		96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800		96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700		96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600		96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0		96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ½
NO CEILING	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 20000	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
AI 18000	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
AI 16000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
AI 14000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
AI 12000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
AI 10000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
AI 9000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
AI 8000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
AI 7000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
AI 6000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
AI 5000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
AI 4500	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
AI 4000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 3500	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
AI 3000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
AI 2500	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
AI 2000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
AI 1800	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
AI 1500	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
AI 1200	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 1000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 900	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 800	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 700	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 600	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 400	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 300	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 200	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 100	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI AI	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEAR

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000		43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 18000		56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000		56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000		56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000		56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000		59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000		64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 6000		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 5000		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1200		91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000		98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000		56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000		56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000		56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 12000		65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 10000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 9000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4500		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500		81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000		81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500		81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000		81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800		81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500		92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 20000		52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000		52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000		53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 14000		57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 12000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000		67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 9000		68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
8000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
7000		75.1	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
6000		76.3	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
5000		77.3	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
4500		77.3	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
4000		77.6	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
3500		77.8	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
3000		78.7	79.2	79.4	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6
2500		78.6	79.4	79.6	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8
2000		79.4	79.8	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
1800		79.4	79.9	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3
1500		92.7	93.6	93.8	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2
1200		97.3	98.6	98.9	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
1000		97.6	98.8	99.1	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
900		97.6	98.8	99.1	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
800		97.6	98.8	99.1	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
700		97.7	99.0	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
600		97.7	99.0	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
500		97.7	99.0	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
400		97.7	99.0	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
300		97.7	99.0	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
200		97.7	99.0	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
100		97.7	99.0	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
0		97.7	99.0	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING		48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000		63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000		65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 10000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 9000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 8000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000		69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 14000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 12000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 6000		83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000		83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500		83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000		83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500		83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000		85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500		85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500		96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIFGU GARCIA  
STATION NAME

73-77

TEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 10000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 9000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
8000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
7000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
6000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
5000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
4500	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
4000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
3500	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
3000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
2500	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
2000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
1800	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
1500	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
700	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	35.7	38.7	38.7	38.7
≥ 20000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000		61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 16000		62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000		64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000		69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 10000		74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000		74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000		79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 7000		80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000		81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000		83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500		83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000		83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500		83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000		85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500		85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000		85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800		85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1500		96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200		97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0		98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													TOTAL NUMBER OF OBSERVATIONS
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000		31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 18000		54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000		55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 14000		56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000		61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000		70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 6000		70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 5000		71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500		71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000		71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500		71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3000		72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 2500		72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 2000		73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1800		73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1500		95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200		98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

155

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

70701  
STATION

OIEGO GARCIA  
STATION NAME

73-77  
YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000		32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 18000		52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000		54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 14000		55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 12000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000		63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 6000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 5000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1800		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 1500		92.3	94.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200		94.2	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000		94.2	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		94.2	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		94.2	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		94.2	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		94.2	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		94.2	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		94.2	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		94.2	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		94.2	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		94.2	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0		94.2	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

AUG  
MONTH

20

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING		48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000		65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 18000		66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 16000		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000		69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 10000		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
8000		83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
7000		83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
6000		83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
5000		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
4500		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
4000		85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
3500		86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
3000		86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
2500		86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
2000		86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
1800		86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
1500		95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1200		97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000		98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900		98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800		98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700		98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600		98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500		98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400		98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300		98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200		98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100		98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

AUG  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

23

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 13000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000		63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000		65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 10000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 9000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 20000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 18000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 12000	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 10000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 9000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 8000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 7000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 5000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4500	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3500	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 3000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1800	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 400	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 300	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 200	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 100	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

SEP  
MONTH

02

HOURS (L & T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000		56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
18000		57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
16000		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
14000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
12000		63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
10000		66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
9000		66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
8000		69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
7000		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
6000		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
5000		70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
4500		70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
4000		71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
3500		71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
3000		71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
2500		71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
2000		72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
1800		72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
1500		93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0
1200		95.3	95.3	95.3	95.3	96.7	96.7	96.7	96.7	98.7	98.7	98.7	98.7
1000		95.3	96.0	96.0	97.3	97.3	97.3	97.3	97.3	99.3	99.3	99.3	99.3
900		95.3	96.0	96.0	97.3	97.3	97.3	97.3	97.3	99.3	99.3	99.3	99.3
800		95.3	96.0	96.0	97.3	97.3	97.3	97.3	97.3	99.3	99.3	99.3	99.3
700		95.3	96.0	96.0	97.3	97.3	97.3	97.3	97.3	99.3	99.3	99.3	99.3
600		95.3	96.0	96.0	97.3	97.3	97.3	97.3	97.3	99.3	99.3	99.3	99.3
500		95.3	96.0	96.0	97.3	97.3	97.3	97.3	97.3	99.3	99.3	99.3	99.3
400		95.3	96.0	96.0	97.3	97.3	97.3	97.3	97.3	99.3	99.3	99.3	99.3
300		95.3	96.0	96.0	97.3	97.3	97.3	97.3	97.3	99.3	99.3	99.3	99.3
200		95.3	96.0	96.0	97.3	97.3	97.3	97.3	97.3	99.3	99.3	99.3	99.3
100		95.3	96.0	96.0	97.3	97.3	97.3	97.3	97.3	99.3	99.3	99.3	99.3
0		95.3	96.0	96.0	97.3	97.3	97.3	97.3	97.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING		53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 20000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
AI 18000		62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
AI 16000		63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
AI 14000		66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
AI 12000		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
AI 10000		70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
AI 9000		71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
AI 8000		75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
AI 7000		76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
AI 6000		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
AI 5000		77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
AI 4500		77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
AI 4000		78.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 3500		78.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 3000		78.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 2500		78.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 2000		79.3	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AI 1800		79.3	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AI 1500		96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
AI 1200		96.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1000		96.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 900		96.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 800		96.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 700		96.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 600		96.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 500		96.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 400		96.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 300		96.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 200		96.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 100		96.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 0		96.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING		34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 20000		48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 18000		49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 16000		50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 14000		52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 12000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000		64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 9000		64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 8000		69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000		72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 6000		72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 5000		74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4500		74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4000		75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3500		75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000		75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500		75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2000		76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 1800		76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 1500		94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200		98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300		98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200		98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100		98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0		98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEARS

SEP  
MONTH

11  
HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000		30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 18000		54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000		56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000		58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 12000		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000		67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 9000		70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 8000		70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000		74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 6000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000		75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4500		76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4000		76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3500		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3000		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2500		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1200		94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 200		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 100		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 0		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEARS

SEP  
MONTH

14  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
≥ 20000		54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 18000		55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000		56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 14000		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000		63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 10000		68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 9000		68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 8000		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 7000		71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000		71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5000		72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4500		72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000		74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500		75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3000		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2500		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2000		78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1800		78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1500		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 200		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 100		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
0		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNA VOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING													≥ 0
≥ 20000		25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
≥ 18000		51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000		53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000		55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 12000		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000		64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 9000		67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 8000		67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 7000		70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 6000		74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 5000		74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4500		75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4000		75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2500		78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1500		92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200		95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000		95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 100		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 0		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCENMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING		38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 20000		56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000		57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 14000		63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000		70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 10000		72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 9000		73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 7000		78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000		79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000		80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500		80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000		80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500		81.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000		82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2500		82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000		83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800		83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500		93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200		97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300		97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200		97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100		97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0		97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING											
≥ 20000		50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 18000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 12000		62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000		67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 9000		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 7000		73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000		75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000		76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4500		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3000		78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500		78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800		78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1500		78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1200		96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000		96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900		96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800		96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700		96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600		96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500		96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400		96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300		96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200		96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 100		96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 0		96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEAR

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000		38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 18000		55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000		56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 14000		57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 12000		60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 10000		65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 9000		68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 8000		68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 7000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000		73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 5000		74.4	74.5	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4500		75.3	75.6	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4000		75.4	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 3500		76.2	76.6	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3000		76.7	77.1	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2500		77.7	78.1	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3
≥ 2000		77.7	78.1	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3
≥ 1800		78.4	78.8	78.9	78.9	78.9	78.9	79.1	79.1	79.2	79.2	79.2	79.2
≥ 1500		78.4	78.8	78.9	78.9	78.9	78.9	79.1	79.1	79.2	79.2	79.2	79.2
≥ 1200		94.3	94.8	94.9	94.9	94.9	94.9	95.2	95.2	95.3	95.3	95.3	95.3
≥ 1000		96.5	97.3	97.8	98.0	98.1	98.1	98.5	98.5	98.8	98.8	98.8	98.8
≥ 900		96.6	97.6	98.1	98.3	98.3	98.3	98.5	98.5	98.8	98.8	98.8	98.8
≥ 800		96.7	97.7	98.2	98.3	98.3	98.3	98.6	98.6	99.0	99.4	99.4	99.4
≥ 700		96.7	97.7	98.2	98.3	98.3	98.3	98.6	98.6	99.0	99.4	99.4	99.4
≥ 600		96.7	97.7	98.2	98.3	98.3	98.3	98.6	98.6	99.0	99.4	99.4	99.4
≥ 500		96.7	97.7	98.2	98.3	98.3	98.3	98.6	98.6	99.0	99.4	99.4	99.4
≥ 400		96.7	97.7	98.2	98.3	98.3	98.3	98.6	98.6	99.0	99.4	99.4	99.4
≥ 300		96.7	97.7	98.2	98.3	98.3	98.3	98.6	98.6	99.0	99.4	99.4	99.4
≥ 200		96.7	97.7	98.2	98.3	98.3	98.3	98.6	98.6	99.0	99.4	99.4	99.4
≥ 100		96.7	97.7	98.2	98.3	98.3	98.3	98.6	98.6	99.0	99.4	99.4	99.4
0		96.7	97.7	98.2	98.3	98.3	98.3	98.6	98.6	99.0	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

1200



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

0CT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000		56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000		66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000		66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000		69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000		69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000		69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000		69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500		69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4000		70.3	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3500		70.3	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000		70.3	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2500		70.3	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2000		70.3	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 1800		70.3	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 1500		94.2	94.6	95.5	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200		94.8	95.5	96.1	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000		96.8	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		96.8	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		96.8	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		96.8	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		96.8	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		96.8	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		96.8	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		96.8	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		96.8	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		96.8	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		96.8	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

UCT  
MOUTH

05  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 18000		54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000		54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000		54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000		66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 9000		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 8000		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4500		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3500		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 2500		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 2000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 1800		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 1500		96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING												
≥ 20000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 18000	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 16000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 10000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 7000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4500	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3500	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 2500	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 2000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 1800	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 1500	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 0	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

DCT  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)11  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING		34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 20000		45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 18000		46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 16000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 14000		51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 12000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000		62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000		62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 5000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3500		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3000		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 2500		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 2000		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 1800		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 1500		92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200		96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 20000		46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 18000		46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 16000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000		50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 12000		55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 10000		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000		65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 7000		65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 6000		65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000		66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4500		66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3500		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3000		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 2500		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 2000		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 1800		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 1500		94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200		96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

OCT  
MONTH

17  
HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING		32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 20000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 16000		49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 14000		56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000		65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 10000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 9000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 8000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 6000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 5000		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4500		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4000		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000		78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1800		78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1500		96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200		98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0		98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEAR

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
18000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
16000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
14000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
12000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
10000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
9000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
8000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
7000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
6000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
5000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
4500	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
4000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
3500	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
3000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
2500	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
2000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
1800	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
1500	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1
1200	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
700	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
500	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000		53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000		54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000		54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000		57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000		64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000		69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 9000		69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
8000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
7000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
6000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
5000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
4500		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
4000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
3500		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
3000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
2500		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
2000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
1800		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
1500		94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8
1200		95.5	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1
1000		97.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
900		97.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
800		97.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
700		97.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
600		97.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
500		97.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
400		97.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
300		97.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
200		97.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
100		97.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
0		97.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

TEARS

UCT  
NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000		40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 18000		49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 16000		49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 14000		50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 12000		54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000		61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 9000		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 8000		66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000		69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 6000		70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 5000		70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4500		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000		71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 3500		71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 3000		72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 2500		72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 2000		72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 1800		72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 1500		94.8	95.3	95.4	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200		96.2	97.0	97.3	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000		97.7	98.8	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900		97.7	98.8	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800		97.7	98.8	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700		97.7	98.8	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		97.7	98.8	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		97.7	98.8	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		97.7	98.8	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		97.7	98.8	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		97.7	98.8	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100		97.7	98.8	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0		97.7	98.8	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

NOV  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)02  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 18000		62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 16000		62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 14000		66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000		72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000		76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 9000		76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
8000		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
7000		79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
6000		79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
5000		79.3	79.3	79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
4500		79.3	79.3	79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
4000		80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
3500		80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
3000		80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2500		80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2000		80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
1800		81.3	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
1500		94.7	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
1200		96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000		97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900		97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800		97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700		97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600		97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500		97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400		97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300		97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200		97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100		97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0		97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

NDV  
MOUTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING		55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000		63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000		64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 10000		68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 9000		68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 8000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000		75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 5000		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500		78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4000		79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500		79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000		80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500		80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000		80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800		80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500		93.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0
≥ 1200		94.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	98.0	98.0	98.0	98.0
≥ 1000		96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 900		96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 800		96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 700		96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 600		96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 500		96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 400		96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 300		96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 200		96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 100		96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 0		96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

NOV  
MONTH

08  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 16000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 14000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 12000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 10000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 8000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 6000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 5000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4500	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3500	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2500	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 100	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOV  
MONTH

11  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 20000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 18000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 12000	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 10000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 7000	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4500	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4000	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3000	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 20000		52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
18000		52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000		52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
14000		53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 12000		62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
10000		68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 9000		68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
8000		71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000		72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
6000		73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 5000		74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
4500		74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
3500		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000		75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
2500		75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
1800		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1500		94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
1200		95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000		95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
900		95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
800		96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
700		96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600		96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
500		96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400		96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
300		96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200		96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
100		96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
0		96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 18000		50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 16000		51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000		51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 12000		54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 10000		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 9000		68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 8000		68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000		72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 6000		73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 5000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4500		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1500		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1200		97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000		97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900		97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800		97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700		97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600		97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500		97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400		97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300		97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200		97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100		97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0		97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
18000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
16000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
14000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
12000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
10000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 9000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
8000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
7000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
6000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
5000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
4500	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
4000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
3500	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
3000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
2500	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
2000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
1800	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
1500	94.0	95.3	95.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1200	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1000	95.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900	95.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800	95.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
700	95.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600	95.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
500	95.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	95.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300	95.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	95.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100	95.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	95.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000		62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000		64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 16000		65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 14000		68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 12000		73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 10000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 8000		82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 7000		83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000		83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000		84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500		84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4000		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3500		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1800		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1500		97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200		98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET

SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 20000		57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 18000		58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 16000		58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 14000		61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 12000		66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 9000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 8000		75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 7000		76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000		77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000		78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 4500		78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 4000		79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500		79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3000		80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2500		80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2000		80.8	81.0	81.0	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800		81.0	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1500		95.1	95.8	96.1	96.4	96.4	96.5	96.5	96.5	96.6	96.7	96.7	96.7	96.8
≥ 1200		96.5	97.3	97.8	98.1	98.1	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.5
≥ 1000		97.0	98.1	98.7	99.1	99.1	99.2	99.3	99.4	99.4	99.5	99.6	99.6	99.7
≥ 900		97.0	98.1	98.7	99.2	99.2	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.7
≥ 800		97.1	98.2	98.8	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.7
≥ 700		97.1	98.2	98.8	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.7
≥ 600		97.1	98.2	98.8	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.7
≥ 500		97.2	98.3	98.8	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.7
≥ 400		97.2	98.3	98.8	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.7
≥ 300		97.2	98.3	98.8	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.7
≥ 200		97.2	98.3	98.8	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.7
≥ 100		97.2	98.3	98.8	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.7
0		97.2	98.3	98.8	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

DEC  
MONTH

02  
HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 12000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000		64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 7000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4500		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2000		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1800		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1500		92.9	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200		94.2	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		94.2	94.8	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		94.2	94.8	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		94.2	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		94.2	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		94.2	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		94.2	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		94.2	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		94.2	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		94.2	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		94.2	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		94.2	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

DEC  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)05  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 18000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 14000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 10000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 9000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 5000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4500	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2500	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2000	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1800	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1500	89.0	89.7	91.0	93.6	93.6	93.6	93.6	93.6	93.6	94.2	94.2
≥ 1200	92.3	93.6	94.8	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
≥ 1000	92.3	94.2	95.5	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 900	92.3	94.2	95.5	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 800	92.3	94.2	95.5	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 700	92.3	94.2	95.5	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 600	92.3	94.2	95.5	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 500	92.3	94.2	95.5	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 400	92.3	94.2	95.5	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 300	92.3	94.2	95.5	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 200	92.3	94.2	95.5	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 100	92.3	94.2	95.5	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
0	92.3	94.2	95.5	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16
NO CEILING	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 14000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 10000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 5000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEAR

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 20000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000		63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 9000		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 8000		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 7000		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000		83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500		83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000		83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800		83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500		94.8	95.5	96.1	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200		96.1	96.8	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		96.1	96.8	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		96.1	96.8	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		96.1	96.8	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		96.1	96.8	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		96.1	96.8	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		96.1	96.8	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		96.1	96.8	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		96.1	96.8	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		96.1	96.8	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		96.1	96.8	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0		96.1	96.8	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

DEC  
NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000		40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 18000		54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000		55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 14000		56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000		65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 9000		69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 7000		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 5000		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1500		96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200		98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

DEC  
MONTH

17  
HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 20000		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000		63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 7000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 5000		83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500		83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000		85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500		85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500		96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200		98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET S1405



# CEILING VERSUS VISIBILITY

WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

73-77

YEARS

DEC

MONTH

20

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000		58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000		59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 12000		62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 8000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 6000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3000		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)23  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING		58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000		63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
18000		63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
16000		64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
14000		65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
12000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
10000		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
9000		78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
8000		82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
7000		83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
6000		83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
5000		83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
4500		83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
4000		83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
3500		83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
3000		85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
2500		85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
2000		86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
1800		87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
1500		93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1200		94.8	96.8	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000		94.8	96.8	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900		94.8	96.8	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800		94.8	96.8	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700		94.8	96.8	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600		94.8	96.8	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500		94.8	96.8	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400		94.8	96.8	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300		94.8	96.8	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200		94.8	96.8	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100		94.8	96.8	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0		94.8	96.8	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000		59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000		59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 16000		60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 14000		61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000		67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 10000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 9000		71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 8000		76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 7000		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000		77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 5000		78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4500		78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000		80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 3500		81.6	81.9	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3000		81.6	81.9	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2500		82.3	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2000		82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1800		94.4	95.0	95.6	96.1	96.1	96.3	96.3	96.3	96.5	96.5	96.5	96.5
≥ 1500		96.1	96.9	98.0	99.1	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 1200		96.1	97.1	98.3	99.5	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 1000		96.1	97.1	98.3	99.5	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 900		96.1	97.1	98.3	99.5	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 800		96.1	97.2	98.4	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 700		96.1	97.2	98.4	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 600		96.1	97.2	98.4	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 500		96.1	97.2	98.4	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 400		96.1	97.2	98.4	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 300		96.1	97.2	98.4	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 200		96.1	97.2	98.4	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 100		96.1	97.2	98.4	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0
0		96.1	97.2	98.4	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

70701  
STATION

DIEGO GARCIA

STATION NAME

73-77

YEARS

ALL  
NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 18000		59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 16000		60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 14000		61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 12000		63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 10000		68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000		72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 8000		72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 7000	0	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 6000	0	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	0	79.0	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4500	0	79.8	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 4000	0	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 3500	0	80.6	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000	0	80.7	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1
≥ 2500	0	81.3	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 2000	0	81.4	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800	0	81.8	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1500	0	81.8	82.2	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1200	0	93.8	94.7	95.0	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.4
≥ 1000	0	96.1	97.3	97.8	98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.4
≥ 900	0	97.0	98.5	99.0	99.3	99.4	99.6	99.6	99.6	99.7	99.7	99.8	99.8
≥ 800	0	97.0	98.5	99.0	99.3	99.4	99.6	99.6	99.6	99.7	99.7	99.8	99.8
≥ 700	0	97.1	98.5	99.1	99.4	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9
≥ 600	0	97.1	98.6	99.1	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 500	0	97.1	98.6	99.1	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 400	0	97.1	98.6	99.1	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 300	0	97.1	98.6	99.1	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 200	0	97.1	98.6	99.1	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 100	0	97.1	98.6	99.1	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
0	0	97.1	98.6	99.1	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

14607



# SKY COVER

70701

**DIEGO GARCIA**

STATION

STATION NAME

73-77

PERIOD

JAN

[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	02	3.2	.6	5.2	13.5	9.0	7.7	9.7	11.0	7.7	4.5	27.7	6.4	155
	05	3.2	1.9	9.0	11.0	12.3	10.3	7.1	3.9	7.7	8.4	25.2	6.1	155
	08		.6	1.3	9.0	8.4	8.4	7.7	6.5	11.6	15.5	31.0	7.4	155
	11		.6	1.3	4.5	6.5	11.6	5.2	13.5	14.8	11.0	31.0	7.5	155
	14				3.9	5.2	7.1	5.8	16.8	17.4	13.5	30.3	7.8	155
	17			.6	3.2	3.9	7.7	3.9	11.6	15.5	20.0	33.5	8.1	155
	20		.6	1.3	17.4	9.0	7.7	4.5	9.7	12.3	10.3	27.1	6.9	155
	23	3.2	3.2	5.8	11.0	7.7	7.7	7.1	8.4	7.7	6.5	31.6	6.5	155
TOTALS		1.2	.9	3.1	9.2	7.8	8.5	6.4	10.2	11.8	11.2	29.7	7.1	1240

## SKY COVER

70701 DIEGO GARCIA 73-77 FEB MONTH  
STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
FEB	02	.7	2.8	10.6	10.6	12.8	12.8	7.1	7.8	8.5	5.7	20.6	5.9 141
	05	1.4	3.5	8.5	15.6	9.2	11.3	12.8	8.5	10.6	5.0	13.5	5.6 141
	08		2.1	7.1	9.9	9.9	9.9	4.3	9.2	12.8	14.2	20.6	6.6 141
	11		1.4	7.1	8.5	6.4	12.1	5.7	8.5	14.2	19.1	17.0	6.8 141
	14			3.5	9.2	9.9	9.2	5.7	7.8	17.7	19.1	17.7	7.0 141
	17		.7	2.1	5.7	10.6	9.9	4.3	9.9	18.4	16.3	22.0	7.2 141
	20		2.1	8.5	13.5	10.6	9.2	7.1	12.1	11.3	5.0	20.6	6.2 141
	23	2.1	2.8	12.1	13.5	9.2	12.1	5.0	7.1	10.6	6.4	19.1	5.8 141
TOTALS		.5	1.9	7.4	10.8	9.8	10.8	6.5	8.9	13.0	11.4	18.9	6.4 1128

MONTH

PERIOD

STATION NAME



## SKY COVER

APR

MONTH

73-77

PERIOD

70701 DIEGO GARCIA

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	02	2.7	6.7	9.3	11.3	14.0	6.7	7.3	8.0	10.0	6.0	18.0	5.6	150
	05	.7	5.3	14.0	11.3	10.7	4.7	8.7	7.3	14.0	6.0	17.3	5.8	150
	08	.7	.7	2.0	8.0	8.7	9.3	7.3	8.0	15.3	16.0	24.0	7.2	150
	11		1.3	4.0	8.7	10.0	10.7	8.0	10.7	8.7	12.7	25.3	6.9	150
	14		1.3	2.0	5.3	14.7	4.7	4.7	11.3	15.3	14.7	26.0	7.3	150
	17		.7	4.0	6.0	8.0	8.0	7.3	6.7	12.0	16.7	30.7	7.4	150
	20		6.0	12.0	11.3	7.3	7.3	7.3	6.0	14.0	8.0	20.7	6.1	150
	23	2.7	4.0	12.0	10.0	10.0	9.3	10.7	4.7	10.0	6.0	20.7	5.8	150
TOTALS		.9	3.3	7.4	9.0	10.4	7.6	7.7	7.8	12.4	10.8	22.8	6.5	1200

# SKY COVER

5704 SKY COVER JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

MAY

73-77

70701 DIEGO GARCIA

MONTH

PERIOD

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	02	.6	9.7	9.7	22.6	11.6	7.7	7.1	3.9	5.8	2.6	18.7	5.1	155
	05		11.0	9.7	23.9	11.6	6.5	7.1	3.2	9.0	3.9	14.2	4.9	155
	08	.6	3.2	9.0	11.6	10.3	9.7	7.1	7.7	15.5	9.7	15.5	6.1	155
	11		.6	8.4	8.4	11.6	8.4	11.0	9.0	15.5	10.3	16.8	6.4	155
	14			7.7	11.0	11.0	9.7	10.3	11.0	11.6	12.9	14.8	6.4	155
	17		.6	8.4	13.5	12.3	7.7	6.5	11.0	9.7	10.3	20.0	6.3	155
	20	.6	12.9	12.3	13.5	12.3	6.5	9.0	7.1	9.0	4.5	12.3	5.0	155
	23	.6	9.0	15.5	17.4	11.0	8.4	6.5	7.1	5.2	3.2	16.1	5.0	155
TOTALS		.3	5.9	10.1	15.2	11.5	8.1	8.1	7.5	10.2	7.2	16.1	5.7	1240

# SKY COVER

5704 SKY COVER JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

STATION 70701 DIEGO GARCIA STATION NAME 73-77 PERIOD MONTH JUN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	02	1.3	5.3	10.7	17.3	18.0	9.3	5.2	9.3	11.3	2.7	9.3	5.0	150
	05	.7	4.0	23.3	13.3	10.0	13.3	6.7	6.0	8.0	3.3	11.3	4.9	150
	08	.7	1.3	5.3	14.7	14.0	6.0	8.7	10.0	8.7	12.0	18.7	6.3	150
	11	.7	2.0	4.7	10.0	6.7	14.0	10.7	8.7	12.7	14.0	16.0	6.5	150
	14		2.7	2.7	11.3	9.3	6.7	11.3	10.7	14.7	13.3	17.3	6.7	150
	17		1.3	5.3	9.3	7.3	9.3	5.3	10.0	15.3	18.7	18.0	6.9	150
	20	.7	4.0	8.7	12.7	13.3	8.0	12.0	6.7	14.0	4.0	16.0	5.8	150
	23	1.3	4.7	12.0	18.7	11.3	13.3	6.0	6.7	10.0	5.3	10.7	5.1	150
TOTALS		.7	3.2	9.1	13.4	11.2	10.0	8.3	8.5	11.8	9.2	14.7	5.9	1200







# SKY COVER

5704 SKY COVER JAN 68

SEP

73-77

DIEGO GARCIA

70701

MONTH

PERIOD

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	02	.7	2.7	10.7	10.0	12.0	7.3	7.3	6.7	10.0	8.0	24.7	6.3	150
	05		4.0	10.7	14.0	11.3	5.3	10.7	6.0	8.0	3.3	26.7	6.1	150
	08		2.7	5.3	4.7	3.3	8.0	5.3	11.3	16.7	15.3	27.3	7.4	150
	11		.7	2.7	4.0	6.0	6.0	10.0	15.3	14.7	10.0	30.7	7.5	150
	14		.7	2.0	5.3	6.0	6.0	9.3	9.3	14.0	16.0	31.3	7.7	150
	17		2.0	2.0	3.3	6.7	6.0	7.3	5.3	15.3	10.0	42.0	7.9	150
	20		5.3	6.7	4.7	7.3	7.3	6.0	7.3	15.3	7.3	32.7	7.0	150
	23		4.0	6.7	10.7	10.0	10.7	5.3	9.3	8.7	4.7	30.0	6.5	150
TOTALS		.1	2.8	5.9	7.1	7.8	7.1	7.7	8.8	12.8	9.3	30.7	7.1	1200



# SKY COVER

70701

**DIEGO GARCIA**

STATION NAME

73-77

PERIOD

130

**MONTH**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	02	.6	2.6	7.1	10.3	11.0	6.5	12.3	9.7	6.5	6.5	27.1	6.5	155
	05		.6	5.2	12.9	11.0	7.7	7.7	8.4	9.0	7.7	29.7	6.8	155
	08	1.3	.6	1.3	7.7	5.8	7.1	4.5	5.8	18.1	18.1	29.7	7.6	155
	11		1.9	3.9	3.9	7.1	8.4	3.9	9.0	16.8	14.2	31.0	7.5	155
	14	.6	.6	3.2	4.5	5.2	9.0	8.4	5.8	16.8	16.1	29.7	7.5	155
	17		3.2	5.2	4.5	3.9	3.9	5.8	7.1	14.2	15.5	36.8	7.7	155
	20	.6	1.3	5.8	8.4	7.1	5.8	8.4	5.8	10.3	5.8	40.6	7.3	155
	23	.6	3.9	7.1	7.1	9.0	10.3	8.4	11.0	9.0	6.5	27.1	6.6	155
TOTALS		.5	1.8	4.9	7.4	7.5	7.3	7.4	7.8	12.6	11.3	31.5	7.2	1240

AD-A063 828

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C  
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), DIEGO G--ETC(U)  
JUL 78

F/G 4/2

UNCLASSIFIED

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4 OF 4

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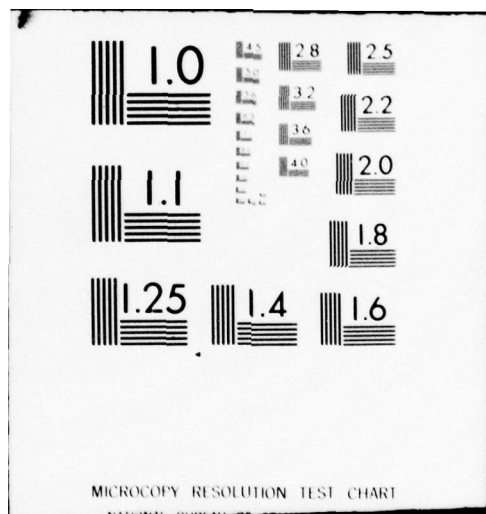


END

DATE  
FILMED

3-79

DDC





**MONTH**

PERIOD

STATION NAME

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	02		3.3	7.3	22.7	8.0	10.7	6.0	10.0	9.3	4.0	18.7	5.7	150
	05		.7	10.7	20.0	10.0	8.0	10.0	6.7	5.3	6.7	22.0	5.9	150
	08		2.0	2.7	12.0	7.3	12.7	6.7	13.3	10.0	8.0	25.3	6.7	150
	11		.7	7.3	6.7	8.0	8.0	8.0	6.0	16.7	14.7	24.0	7.0	150
	14		.7	4.7	6.7	8.0	8.0	6.7	9.3	12.0	14.7	29.3	7.3	150
	17		1.3	3.3	12.0	6.0	3.3	7.3	8.0	16.7	16.0	26.0	7.2	150
	20		2.0	8.0	10.7	11.3	8.0	7.3	10.0	12.0	9.3	21.3	6.4	150
	23		2.7	10.0	14.0	12.7	7.3	8.7	6.7	12.0	7.3	18.7	6.0	150
TOTALS			1.7	6.8	13.1	8.9	8.3	7.6	8.8	11.8	10.1	23.2	6.5	1200



# SKY COVER

5704 SKY COVER JAN 68

PRINTED BY THE STANDARD REGISTRATION COMPANY, U. S. A.

ALL

73-77

DIEGO GARCIA

70701

MONTH

PERIOD

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	1.2	.9	3.1	9.2	7.8	8.5	6.4	10.2	11.8	11.2	29.7	7.1	1240
FEB		.5	1.9	7.4	10.8	9.8	10.8	6.5	8.9	13.0	11.4	18.9	6.4	1128
MAR		.8	3.7	12.0	13.4	10.2	7.8	7.2	8.6	9.6	9.2	17.6	5.9	1240
APR		.9	3.3	7.4	9.0	10.4	7.6	7.7	7.8	12.4	10.8	22.8	6.5	1200
MAY		.3	5.9	10.1	15.2	11.5	8.1	8.1	7.5	10.2	7.2	16.1	5.7	1240
JUN		.7	3.2	9.1	13.4	11.2	10.0	8.3	8.5	11.8	9.2	14.7	5.9	1200
JUL		.2	1.4	5.3	7.0	7.2	6.7	7.2	9.5	15.3	9.8	30.4	7.2	1240
AUG		.2	2.1	5.4	8.6	8.0	8.0	8.7	9.7	12.8	8.1	28.4	6.9	1240
SEP		.1	2.8	5.9	7.1	7.8	7.1	7.7	8.8	12.8	9.3	30.7	7.1	1200
OCT		.5	1.8	4.9	7.4	7.5	7.3	7.4	7.8	12.6	11.3	31.5	7.2	1240
NOV			1.7	6.8	13.1	8.9	8.3	7.6	8.8	11.8	10.1	23.2	6.5	1200
DEC			3.5	9.2	11.2	10.4	9.1	5.8	9.7	10.9	10.7	19.5	6.3	1240
TOTALS		.5	2.7	7.2	10.5	9.2	8.3	7.4	8.8	12.1	9.9	23.6	6.6	14608



## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperatures combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

STATION	STATION NAME	YEARS	CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE	MAXIMUM
70701	DIEGO GARCIA	91-77		

## MAXIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM DAILY OBSERVATIONS)

[illegible]

NAVWEASERVCOM



**70701**  
**STATION**

**DIEGO GARCIA** STAT

51-77

YEARS

STATION NAME

## MINIMUM

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)**

[illegible]

NAVWEASERVCOM

**YEARS**

MEAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

[illegible]

NAVWEASERVCOM



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

25 DAILY AVERAGE/EXTREME TEMP MAR 1978

70701  
STATION

DIEGO GARCIA  
STATION NAME

1972-1977

YEARS

JANUARY

MONTH

DAY	MEAN TEMP		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C
1	81.2	27.3	85.3	29.6	88	31.1	1972	77.2	25.1	76	24.4	1977*	76	24.4
2	80.3	26.9	84.3	29.1	86	30.0	1975*	76.7	24.8	75	23.9	1977	75	23.9
3	81.3	27.4	85.7	29.8	89	31.7	1972	77.0	25.0	76	24.4	1977*	76	24.4
4	79.2	26.2	83.0	28.3	86	30.0	1975	75.3	24.2	72	22.2	1976	72	22.2
5	80.1	26.7	83.8	28.8	87	30.6	1975	76.3	24.6	73	22.8	1977	73	22.8
6	80.7	27.1	84.8	29.3	88	31.1	1973	76.3	24.7	74	23.3	1975	74	23.3
7	80.0	26.7	83.7	28.7	88	31.1	1973	76.3	24.6	73	22.8	1975	73	22.8
8	81.3	27.4	86.0	30.0	88	31.1	1975*	76.7	24.8	75	23.9	1975	75	23.9
9	81.6	27.6	85.5	29.7	90	32.2	1977	77.7	25.4	76	24.4	1974*	76	24.4
10	82.0	27.8	87.0	30.6	89	31.7	1973*	77.0	25.0	72	22.2	1975	72	22.2
11	81.5	27.5	85.8	29.9	88	31.1	1973*	77.2	25.1	73	22.8	1975	73	22.8
12	81.1	27.3	85.8	29.9	89	31.7	1977	76.3	24.6	73	22.8	1975	73	22.8
13	81.9	27.7	86.5	30.3	89	31.7	1977*	77.3	25.2	75	23.9	1975	75	23.9
14	81.0	27.2	84.8	29.3	88	31.1	1975	77.2	25.1	76	24.4	1976*	76	24.4
15	81.7	27.6	85.8	29.9	90	32.2	1977	77.3	25.3	76	24.4	1975	76	24.4
16	80.9	27.2	85.3	29.6	89	31.7	1977	76.3	24.7	75	23.9	1976*	75	23.9
17	81.0	27.2	85.5	29.7	92	33.3	1972	76.3	24.7	75	23.9	1975	75	23.9
18	80.2	26.8	83.7	28.7	86	30.0	1975	76.8	24.9	75	23.9	1975	75	23.9
19	79.7	26.5	83.2	28.4	86	30.0	1975	76.2	24.6	73	22.8	1976	73	22.8
20	80.0	26.7	83.5	28.6	86	30.0	1975	76.3	24.7	76	24.4	1976*	76	24.4
21	79.3	26.4	83.3	28.6	87	30.6	1972	75.3	24.2	72	22.2	1975	72	22.2
22	80.3	26.8	84.8	29.3	88	31.1	1977	75.8	24.3	70	21.1	1975	70	21.1
23	79.6	26.4	83.0	28.3	86	30.0	1977	76.2	24.6	74	23.3	1974	74	23.3
24	79.3	26.3	83.0	28.3	87	30.6	1977	75.7	24.3	74	23.3	1974*	74	23.3
25	79.4	26.3	83.5	28.6	86	30.0	1975*	75.3	24.1	74	23.3	1977*	74	23.3
26	80.7	27.1	85.2	29.6	89	31.7	1973	76.2	24.6	73	22.8	1975	73	22.8
27	81.2	27.3	85.3	29.7	89	31.7	1972	76.8	24.9	75	23.9	1977	75	23.9
28	80.2	26.8	83.8	28.8	87	30.6	1972	76.3	24.7	75	23.9	1973	75	23.9
29	81.3	27.4	84.8	29.3	88	31.1	1972	77.8	25.4	77	25.0	1975*	77	25.0
30	81.2	27.3	85.3	29.6	88	31.1	1973	77.0	25.0	76	24.4	1976	76	24.4
31	80.2	26.8	83.8	28.8	86	30.0	1973	76.7	24.8	73	22.8	1975	73	22.8
Monthly	80.6	27.0	84.7	29.3	92	33.3	1972	76.6	24.8	70	21.1	1975	70	21.1

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



## DAILY AVERAGE/EXTREME TEMPERATURES

FEBRUARY

MONTH

DAY	MEAN TEMP			MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		°C	AVERAGE		EXTREME		AVERAGE		EXTREME		
	°F	°C		°F	°C	°F	°C	°F	°C			
1	80.7	27.1	85.3	29.6	87	30.6	1977*	76.0	24.4	74	23.3	1977
2	81.4	27.4	85.7	29.8	88	31.1	1977	77.2	25.1	76	24.4	1977*
3	81.4	27.4	86.0	30.0	93	33.9	1972	76.8	24.9	75	23.9	1975*
4	81.0	27.2	85.5	29.7	90	32.2	1972	76.5	24.7	74	23.3	1975
5	80.2	26.8	83.7	28.7	86	30.0	1975	76.8	24.9	75	23.9	1972
6	80.6	27.0	85.2	29.6	87	30.6	1976*	76.0	24.4	73	22.8	1972
7	80.4	26.9	84.8	29.3	87	30.6	1973	76.0	24.4	73	22.8	1975
8	80.2	26.8	83.8	28.8	87	30.6	1977	76.5	24.7	75	23.9	1975
9	81.5	27.5	86.7	30.4	89	31.7	1977	76.3	24.6	73	22.8	1975
10	80.7	27.1	85.2	29.6	88	31.1	1977*	76.2	24.6	73	22.8	1974
11	80.7	27.1	85.0	29.4	87	30.6	1973	76.5	24.7	74	23.3	1976*
12	80.4	26.9	84.5	29.2	86	30.0	1977*	76.3	24.6	74	23.3	1974
13	80.6	27.0	85.2	29.6	87	30.6	1972	76.0	24.4	73	22.8	1977
14	81.2	27.3	85.5	29.7	89	31.7	1973	77.0	25.0	72	22.2	1975
15	80.6	27.0	84.8	29.3	90	32.2	1972	76.3	24.6	72	22.2	1975
16	81.1	27.3	85.5	29.7	88	31.1	1972	76.7	24.8	73	22.8	1974
17	82.2	27.9	86.5	30.3	88	31.1	1977*	77.6	25.4	74	23.3	1974
18	81.5	27.5	86.0	30.0	89	31.7	1973	77.0	25.0	74	23.3	1974
19	82.5	28.1	87.3	30.7	90	32.2	1973	77.7	25.4	75	23.9	1974
20	81.2	27.3	85.5	29.7	87	30.6	1977*	77.0	25.0	73	22.8	1975
21	82.4	28.0	87.3	30.7	93	33.9	1973	77.5	25.3	75	23.9	1974
22	82.2	27.9	86.5	30.3	89	31.7	1975	78.0	25.6	75	23.9	1974
23	80.9	27.2	85.2	29.6	91	32.8	1973	76.7	24.8	73	22.8	1972
24	80.9	27.2	85.2	29.6	89	31.7	1977	76.7	24.8	72	22.2	1972
25	80.7	27.1	85.0	29.4	89	31.7	1977	76.3	24.6	72	22.2	1972
26	81.5	27.5	86.3	30.2	89	31.7	1977*	76.7	24.8	74	23.3	1974
27	80.7	27.1	85.3	29.6	88	31.1	1975*	76.0	24.4	73	22.8	1974
28	81.3	27.4	85.7	29.8	89	31.7	1973	77.0	25.0	73	22.8	1972
29	80.7	27.1	86.0	30.0	86	30.0	1976*	75.5	24.2	75	23.9	1972
30												
31												
Monthly	81.1	27.3	85.5	29.7	93	33.9	1973*	76.7	24.8	72	22.2	1975*

\*ALSO ON EARLIER YEARS

**DIRNA VOCEANMET-SMOS**

## DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

70701

DIEGO GARCIA

1972-1977

MARCH

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	81.5	27.5	86.4	30.2	88	31.1	76.6	24.8	73	22.8	1973
2	81.1	27.3	85.4	29.7	89	31.7	76.8	24.9	74	23.3	1974
3	81.7	27.6	87.8	31.0	95	35.0	75.6	24.2	73	22.8	1974
4	81.6	27.6	87.6	30.9	89	31.7	75.6	24.2	74	23.3	1975
5	80.6	27.0	85.4	29.7	88	31.1	75.8	24.3	73	22.8	1974
6	80.2	26.8	84.4	29.1	89	31.7	76.0	24.4	73	22.8	1975
7	80.6	27.0	85.0	29.4	87	30.6	76.2	24.6	72	22.2	1975
8	80.8	27.1	84.8	29.3	87	30.6	76.8	24.9	73	22.8	1975
9	81.2	27.3	86.0	30.0	88	31.1	76.4	24.7	73	22.8	1974
10	80.5	26.9	85.8	29.9	89	31.7	75.2	24.0	72	22.2	1975
11	80.2	26.8	84.6	29.2	87	30.6	75.8	24.3	74	23.3	1975
12	80.5	26.9	85.2	29.6	88	31.1	75.8	24.3	73	22.8	1975
13	81.0	27.2	86.4	30.2	89	31.7	75.6	24.2	75	23.9	1975*
14	81.6	27.6	86.2	30.1	88	31.1	77.0	25.0	75	23.9	1974
15	82.7	28.2	87.4	30.8	90	32.2	78.0	25.6	77	25.0	1972
16	82.3	27.9	86.4	30.2	88	31.1	78.2	25.7	76	24.4	1974
17	82.0	27.8	86.8	30.4	90	32.2	77.2	25.1	73	22.8	1974
18	81.6	27.6	86.2	30.1	89	31.7	77.0	25.0	75	23.9	1974
19	81.9	27.7	86.0	30.0	88	31.1	77.6	25.4	76	24.4	1974
20	81.3	27.4	86.4	30.2	88	31.1	76.2	24.6	75	23.9	1974*
21	81.6	27.6	86.4	30.2	89	31.7	76.8	24.9	73	22.8	1974
22	81.0	27.2	85.2	29.6	87	30.6	76.8	24.9	75	23.9	1974
23	81.8	27.7	86.6	30.3	88	31.1	77.0	25.0	75	23.9	1977
24	82.1	27.8	86.6	30.3	88	31.1	77.6	25.3	75	23.9	1977
25	82.4	28.0	87.2	30.7	88	31.1	77.6	25.3	75	23.9	1974
26	81.7	27.6	86.2	30.1	88	31.1	77.2	25.1	76	24.4	1975*
27	81.3	27.4	86.4	30.2	88	31.1	76.2	24.6	71	21.7	1974
28	81.1	27.3	86.4	30.2	88	31.1	75.8	24.3	71	21.7	1974
29	81.8	27.7	86.8	30.4	88	31.1	76.8	24.9	74	23.3	1974
30	82.1	27.8	87.2	30.7	88	31.1	77.0	25.0	75	23.9	1974
31	80.8	27.1	84.8	29.3	87	30.6	76.8	24.9	74	23.3	1975
Monthly	81.4	27.4	86.1	30.1	95	35.0	76.6	24.8	71	21.7	1974

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

STATION  
70701

STATION NAME  
DIEGO GARCIA

YEARS  
1972-1977

MONTH  
APRIL

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C
1	81.7	27.6	86.7	30.4	88	31.1	76.7	24.8	73	23.9	1973	1975
2	82.0	27.8	87.2	30.7	88	31.1	76.8	24.9	73	22.8	1974	1974
3	81.7	27.6	87.0	30.6	91	32.8	76.3	24.6	72	22.2	1974	1974
4	81.7	27.6	87.0	30.6	91	32.8	76.5	24.7	71	21.1	1974	1974
5	81.7	27.6	87.0	30.6	88	31.1	76.5	24.7	71	21.7	1974	1974
6	81.2	27.3	85.8	29.9	89	31.7	76.7	24.8	74	23.3	1975	1975
7	81.2	27.3	86.0	30.0	88	31.1	76.5	24.7	72	22.2	1975	1975
8	81.7	27.6	86.2	30.1	88	31.1	77.3	25.2	73	22.8	1975	1975
9	82.2	27.9	87.3	30.7	89	31.7	77.0	25.0	73	22.8	1974	1974
10	81.5	27.5	86.7	30.4	90	32.2	76.3	24.6	74	23.3	1975*	1975*
11	81.8	27.7	86.5	30.3	91	32.8	77.2	25.1	74	23.3	1975	1975
12	82.0	27.8	86.5	30.3	88	31.1	77.5	25.3	74	23.3	1975	1975
13	82.4	28.0	87.0	30.6	88	31.1	77.8	25.4	76	24.4	1977*	1977*
14	82.7	28.2	87.0	30.6	88	31.1	78.3	25.7	76	24.4	1975	1975
15	82.2	27.9	87.2	30.7	88	31.1	77.3	25.2	73	23.9	1975*	1975*
16	81.8	27.7	86.5	30.3	88	31.1	77.2	25.1	75	23.9	1975*	1975*
17	81.7	27.6	86.0	30.0	88	31.1	77.3	25.2	75	23.9	1974	1974
18	81.2	27.3	85.5	29.7	88	31.1	77.0	25.0	72	22.2	1974	1974
19	81.1	27.3	85.0	29.4	87	30.6	77.2	25.1	75	23.9	1976	1976
20	80.7	27.1	84.7	29.3	87	30.6	76.8	24.9	73	23.9	1976	1976
21	81.7	27.6	85.3	29.6	86	30.0	78.0	25.6	76	24.4	1975	1975
22	81.6	27.6	85.8	29.9	89	31.7	77.3	25.2	73	22.8	1974	1974
23	81.1	27.3	84.8	29.3	89	31.7	77.3	25.2	74	23.3	1974	1974
24	81.7	27.6	86.3	30.2	88	31.1	77.0	25.0	71	21.7	1975	1975
25	81.7	27.6	85.8	29.9	89	31.7	77.5	25.3	74	23.3	1975	1975
26	82.3	27.9	86.7	30.4	89	31.7	78.0	25.6	74	23.3	1975	1975
27	81.7	27.6	85.5	29.7	87	30.6	78.0	25.6	74	23.3	1975	1975
28	81.4	27.4	86.0	30.0	89	31.7	76.8	24.9	72	22.2	1975	1975
29	82.6	28.1	87.0	30.6	88	31.1	78.2	25.7	73	22.8	1975	1975
30	81.4	27.4	85.7	29.8	88	31.1	77.2	25.1	74	23.3	1975	1975
31												
Monthly	81.7	27.6	86.3	30.2	91	32.8	77.2	25.1	70	21.1	1974	1974

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION **70701** STATION NAME **DIEGO GARCIA** YEARS **1972-1977** MONTH **MAY**

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	82.0	27.8	86.2	30.1	88	31.1	88	31.1	77.8	25.4	73	22.8	1975
2	80.7	27.1	84.3	29.1	87	30.6	87	30.6	77.0	25.0	74	23.3	1975
3	82.2	27.9	86.2	30.1	88	31.1	88	31.1	78.2	25.7	76	24.4	1975*
4	81.9	27.7	86.2	30.1	89	31.7	89	31.7	77.7	25.4	75	23.9	1974
5	80.2	26.8	84.3	29.1	87	30.6	87	30.6	76.0	24.4	72	22.2	1975
6	80.6	27.0	84.8	29.3	86	30.0	86	30.0	76.3	24.6	73	22.8	1974
7	81.5	27.5	85.7	29.8	87	30.6	87	30.6	77.3	25.2	74	23.3	1974
8	81.5	27.5	86.3	30.2	89	31.7	89	31.7	76.7	24.8	73	22.8	1974
9	81.7	27.6	85.8	29.9	88	31.1	88	31.1	77.7	25.4	76	24.4	1974*
10	82.1	27.8	86.7	30.4	89	31.7	89	31.7	77.5	25.3	74	23.3	1975
11	81.5	27.5	86.0	30.0	88	31.1	88	31.1	77.0	25.0	73	22.8	1975
12	82.2	27.9	86.8	30.4	88	31.1	88	31.1	77.7	25.4	74	23.3	1975
13	81.6	27.6	86.2	30.1	89	31.7	89	31.7	77.0	25.0	74	23.3	1975*
14	80.8	27.1	86.2	30.1	88	31.1	88	31.1	75.5	24.2	72	22.2	1975*
15	81.6	27.6	86.3	30.2	88	31.1	88	31.1	76.8	24.9	73	22.8	1975
16	81.6	27.6	86.0	30.0	90	32.2	90	32.2	77.2	25.1	73	22.8	1975
17	81.8	27.7	86.7	30.4	90	32.2	90	32.2	77.0	25.0	74	23.3	1972
18	81.3	27.4	86.2	30.1	89	31.7	89	31.7	76.5	24.7	73	22.8	1975
19	81.4	27.4	86.0	30.0	90	32.2	90	32.2	76.8	24.9	70	21.1	1974
20	80.8	27.1	85.3	29.6	89	31.7	89	31.7	76.3	24.6	73	22.8	1974
21	81.7	27.6	86.2	30.1	90	32.2	90	32.2	77.3	25.2	75	23.9	1974
22	82.2	27.9	86.7	30.4	91	32.8	91	32.8	77.8	25.4	75	23.9	1974
23	81.1	27.3	84.8	29.3	89	31.7	89	31.7	77.3	25.2	74	23.3	1975
24	80.5	26.9	84.3	29.1	87	30.6	87	30.6	76.7	24.8	72	22.2	1975
25	80.2	26.8	84.7	29.3	86	30.0	86	30.0	75.8	24.3	73	22.8	1975
26	80.0	26.7	84.0	28.9	89	31.7	89	31.7	76.0	24.4	73	22.8	1975
27	80.7	27.1	85.7	29.8	88	31.1	88	31.1	75.7	24.3	72	22.2	1975
28	81.3	27.4	85.8	29.9	89	31.7	89	31.7	76.8	24.9	74	23.3	1974
29	81.6	27.6	85.8	29.9	88	31.1	88	31.1	77.3	25.2	76	24.4	1976*
30	81.8	27.7	86.2	30.1	88	31.1	88	31.1	77.5	25.3	74	23.3	1974
31	81.0	27.2	85.0	29.4	87	30.6	87	30.6	77.0	25.0	74	23.3	1974
Monthly	81.3	27.4	85.7	29.8	91	32.8	91	32.8	76.9	24.9	70	21.1	1974

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1973

70701

DIEGO GARCIA

STATION

STATION NAME

1972-1977

YEARS

JUNE

MONTH

DAY	MEAN TEMP		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C		
1	80.6	27.0	84.8	29.3	90	32.2	1976		76.3	24.6	74	23.3	1973	
2	81.5	27.5	85.5	29.7	89	31.7	1976		77.5	25.3	76	24.4	1974*	
3	81.0	27.2	85.5	29.7	89	31.7	1976		76.5	24.7	72	22.2	1974	
4	80.0	26.7	85.2	29.6	89	31.7	1976		74.8	23.8	72	22.2	1974	
5	80.8	27.1	86.3	30.2	90	32.2	1973		75.3	24.1	72	22.2	1974	
6	82.1	27.8	86.8	30.4	95	35.0	1973		77.3	25.2	73	22.8	1974	
7	80.7	27.1	84.8	29.3	87	30.6	1977		76.5	24.7	71	21.7	1975	
8	80.7	27.1	84.8	29.3	88	31.1	1977		76.5	24.7	72	22.2	1975*	
9	81.0	27.2	85.0	29.4	88	31.1	1977		77.0	25.0	74	23.3	1975	
10	80.1	26.7	84.7	29.3	87	30.6	1976		75.5	24.2	74	23.3	1975	
11	80.7	27.1	84.8	29.3	87	30.6	1977		76.5	24.7	75	23.9	1976*	
12	80.4	26.9	84.0	28.9	86	30.0	1977*		76.8	24.9	74	23.3	1974	
13	79.7	26.5	83.8	28.8	86	30.0	1976		75.7	24.3	73	23.9	1977*	
14	80.7	27.1	85.0	29.4	87	30.6	1973		76.3	24.6	73	22.8	1975	
15	79.0	26.1	83.3	28.5	85	29.4	1977*		74.7	23.7	71	21.7	1975	
16	79.3	26.3	83.2	28.4	87	30.6	1976		75.5	24.2	72	22.2	1975	
17	79.6	26.4	83.7	28.7	85	29.4	1977*		75.5	24.2	72	22.2	1975	
18	79.7	26.5	84.7	29.3	88	31.1	1976		74.7	23.7	72	22.2	1975	
19	79.4	26.3	83.3	28.5	86	30.0	1974		75.5	24.2	73	22.8	1976	
20	79.4	26.3	83.2	28.4	86	30.0	1977*		75.7	24.3	73	22.8	1975	
21	79.7	26.5	83.8	28.8	86	30.0	1977		75.7	24.3	72	22.2	1975	
22	79.2	26.2	82.8	28.2	84	28.9	1977*		75.5	24.2	69	20.6	1975	
23	79.9	26.6	83.8	28.8	87	30.6	1973		76.0	24.4	73	22.8	1975	
24	79.7	26.5	83.5	28.6	86	30.0	1976		75.8	24.3	73	22.8	1975*	
25	79.3	26.3	83.5	28.6	86	30.0	1976*		75.2	24.0	73	22.8	1975*	
26	79.8	26.6	83.8	28.8	87	30.6	1976		75.8	24.3	75	23.9	1976*	
27	80.6	27.0	85.3	29.6	87	30.6	1976*		75.8	24.3	75	23.9	1977*	
28	79.9	26.6	83.7	28.7	86	30.0	1976*		76.2	24.6	75	23.9	1975*	
29	80.0	26.7	83.7	28.7	86	30.0	1976*		76.3	24.6	74	23.3	1974	
30	80.6	27.0	84.7	29.3	87	30.6	1976		76.5	24.7	75	23.9	1975	
31														
Monthly	80.2	26.8	84.4	29.1	95	35.0	1973		76.0	24.4	69	20.6	1975	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



## DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

70701

DIEGO GARCIA

STATION

STATION NAME

1972-1977

YEARS

JULY

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	80.2	26.8	83.8	28.8	86	30.0	86	30.0	76.7	24.8	75	23.9	1975*
2	79.8	26.6	83.8	28.8	87	30.6	87	30.6	75.8	24.3	73	22.8	1975
3	80.0	26.7	84.7	29.3	86	30.0	86	30.0	75.3	24.1	72	22.2	1974
4	79.6	26.4	83.5	28.6	85	29.4	85	29.4	75.7	24.3	72	22.2	1975
5	79.8	26.6	84.0	28.9	87	30.6	87	30.6	75.7	24.3	72	22.2	1975
6	79.3	26.3	83.3	28.5	85	29.4	85	29.4	75.3	24.1	73	22.8	1972
7	79.7	26.5	83.3	28.5	85	29.4	85	29.4	76.2	24.6	74	23.3	1974
8	79.0	26.1	82.0	27.8	85	29.4	85	29.4	76.0	24.4	73	22.8	1975
9	78.4	25.8	82.2	27.9	85	29.4	85	29.4	74.7	23.7	70	21.1	1975
10	79.4	26.3	82.8	28.2	86	30.0	86	30.0	76.0	24.4	75	23.9	1977*
11	79.2	26.2	82.7	28.2	85	29.4	85	29.4	75.8	24.3	72	22.2	1975
12	79.1	26.2	82.7	28.2	87	30.6	87	30.6	75.5	24.2	70	21.1	1975
13	79.1	26.2	82.7	28.2	85	29.4	85	29.4	75.5	24.2	74	23.3	1977*
14	79.0	26.1	82.5	28.1	84	28.9	84	28.9	75.5	24.2	73	22.8	1975
15	78.1	25.6	82.2	27.9	86	30.0	86	30.0	74.0	23.3	70	21.1	1975
16	78.2	25.7	82.0	27.8	86	30.0	86	30.0	74.3	23.5	72	22.2	1974
17	78.7	25.9	82.2	27.9	85	29.4	85	29.4	75.3	24.1	72	22.2	1974
18	78.5	25.8	82.3	27.9	85	29.4	85	29.4	74.7	23.7	72	22.2	1974
19	78.1	25.6	82.3	27.9	85	29.4	85	29.4	73.8	23.2	70	21.1	1975
20	78.2	25.7	81.5	27.5	83	28.3	83	28.3	75.0	23.9	73	22.8	1977*
21	78.6	25.9	82.3	27.9	86	30.0	86	30.0	74.8	23.8	73	22.8	1977*
22	78.2	25.7	82.0	27.8	86	30.0	86	30.0	74.3	23.5	70	21.1	1975
23	78.4	25.8	81.7	27.6	86	30.0	86	30.0	75.2	24.0	74	23.3	1975
24	79.2	26.2	83.3	28.5	84	28.9	84	28.9	75.0	23.9	72	22.2	1975
25	78.5	25.8	82.3	27.9	86	30.0	86	30.0	74.7	23.7	72	22.2	1975
26	78.9	26.1	83.2	28.4	86	30.0	86	30.0	74.7	23.7	69	20.6	1975
27	78.7	25.9	82.3	27.9	85	29.4	85	29.4	75.2	24.0	73	22.8	1976
28	79.4	26.3	83.8	28.8	85	29.4	85	29.4	75.0	23.9	73	22.8	1976
29	78.7	25.9	83.0	28.3	84	28.9	84	28.9	74.3	23.5	72	22.2	1977
30	79.1	26.2	82.7	28.2	85	29.4	85	29.4	75.5	24.2	71	21.7	1974
31	77.8	25.4	82.3	27.9	84	28.9	84	28.9	73.3	22.9	72	22.2	1974
Monthly	78.9	26.1	82.8	28.2	87	30.6	87	30.6	75.1	23.9	69	20.6	1975

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

70701

DIEGO GARCIA

STATION NAME

1972-1977

YEARS

AUGUST

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	79.2	26.2	83.7	28.7	85	29.4	74.7	23.7	73	22.8	1976*
2	79.4	26.3	83.5	28.6	86	30.0	75.3	24.1	73	22.8	1975
3	79.3	26.3	82.7	28.2	85	29.4	76.0	24.4	74	23.3	1976*
4	78.4	25.8	81.3	27.4	85	29.4	75.5	24.2	73	22.8	1975
5	78.9	26.1	82.2	27.9	84	28.9	75.7	24.3	75	23.9	1975*
6	79.3	26.3	83.2	28.4	84	28.9	75.5	24.2	75	23.9	1977*
7	79.3	26.3	83.5	28.6	87	30.6	75.2	24.0	74	23.3	1975*
8	78.2	25.7	81.8	27.7	84	28.9	74.7	23.7	72	22.2	1976
9	78.0	25.6	81.8	27.7	84	28.9	74.2	23.4	71	21.7	1975
10	78.5	25.8	82.5	28.1	83	28.3	74.5	23.6	72	22.2	1975
11	79.0	26.1	83.0	28.3	84	28.9	75.0	23.9	74	23.3	1975*
12	78.6	25.9	82.7	28.2	84	28.9	74.5	23.6	72	22.2	1974
13	78.5	25.8	82.3	27.9	84	28.9	74.7	23.7	72	22.2	1974
14	78.7	25.9	82.8	28.2	84	28.9	74.5	23.6	72	22.2	1974
15	79.0	26.1	83.3	28.5	86	30.0	74.7	23.7	73	22.8	1975*
16	79.1	26.2	83.3	28.5	86	30.0	74.8	23.8	72	22.2	1974
17	78.8	26.0	82.7	28.2	85	29.4	75.0	23.9	72	22.2	1977*
18	79.3	26.3	83.5	28.6	87	30.6	75.2	24.0	71	21.7	1974
19	77.9	25.5	82.2	27.9	86	30.0	73.7	23.2	70	21.1	1974
20	78.8	26.0	83.8	28.8	85	29.4	73.8	23.2	70	21.1	1974
21	79.5	26.4	83.5	28.6	85	29.4	75.5	24.2	73	22.8	1974
22	79.9	26.6	84.2	29.0	87	30.6	75.7	24.3	74	23.3	1974*
23	79.9	26.6	84.0	28.9	87	30.6	75.8	24.3	74	23.3	1974
24	79.2	26.2	83.3	28.5	87	30.6	75.2	24.0	72	22.2	1974
25	79.9	26.6	84.0	28.9	86	30.0	75.8	24.3	72	22.2	1974
26	79.3	26.3	83.5	28.6	85	29.4	75.2	24.0	73	22.8	1974
27	79.2	26.2	83.7	28.7	85	29.4	74.8	23.8	74	23.3	1977*
28	80.0	26.7	84.5	29.2	86	30.0	75.5	24.2	72	22.2	1972
29	79.2	26.2	84.0	28.9	86	30.0	74.3	23.5	70	21.1	1972
30	80.2	26.8	84.5	29.2	87	30.6	75.8	24.3	72	22.2	1974
31	79.7	26.5	83.8	28.8	86	30.0	75.7	24.3	74	23.3	1974
Monthly	79.1	26.2	83.2	28.4	87	30.6	75.0	23.9	70	21.1	1974*

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5 DAILY AVERAGE/EXTREME TEMP MAR 1978

70701  
STATION

DIEGO GARCIA  
STATION NAME

1972-1977

YEARS

SEPTEMBER  
MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	80.0	26.7	84.2	29.0	86	30.0	75.8	24.3	72	22.2	1974
2	80.2	26.8	84.2	29.0	88	31.1	76.2	24.6	75	23.9	1975*
3	80.1	26.7	84.2	29.0	87	30.6	76.0	24.4	75	23.9	1975
4	79.8	26.6	83.8	28.8	88	31.1	75.8	24.3	74	23.3	1975
5	79.8	26.6	84.4	29.1	88	31.1	75.2	24.0	73	22.8	1976
6	81.2	27.3	85.0	29.4	88	31.1	77.4	25.2	76	24.4	1975*
7	80.5	26.9	84.2	29.0	86	30.0	76.8	24.9	75	23.9	1972
8	80.2	26.8	83.4	28.6	87	30.6	77.0	25.0	75	23.9	1972
9	80.7	27.1	85.6	29.8	88	31.1	75.8	24.3	73	22.8	1975
10	80.4	26.9	84.0	28.9	87	30.6	76.8	24.9	73	22.8	1974
11	81.1	27.3	85.0	29.4	87	30.6	77.2	25.1	75	23.9	1974
12	79.7	26.5	84.2	29.0	88	31.1	75.2	24.0	72	22.2	1976
13	79.8	26.6	83.6	28.7	84	28.9	76.0	24.4	75	23.9	1973
14	80.7	27.1	85.8	29.9	88	31.1	75.6	24.2	74	23.3	1974
15	80.1	26.7	84.0	28.9	87	30.6	76.2	24.6	75	23.9	1974*
16	80.2	26.8	84.0	28.9	89	31.7	76.4	24.7	73	22.8	1973
17	79.2	26.2	83.0	28.3	89	31.7	75.4	24.1	74	23.3	1973*
18	78.3	25.7	82.2	27.9	86	30.0	74.4	23.6	73	22.8	1976
19	80.0	26.7	84.0	28.9	86	30.0	76.0	24.4	74	23.3	1975
20	80.0	26.7	84.2	29.0	87	30.6	75.8	24.3	75	23.9	1975*
21	79.8	26.6	84.0	28.9	87	30.6	75.6	24.2	75	23.9	1975*
22	79.4	26.3	83.6	28.7	86	30.0	75.2	24.0	72	22.2	1976
23	79.9	26.6	84.0	28.9	86	30.0	75.8	24.3	74	23.3	1976
24	79.4	26.3	82.8	28.2	86	30.0	76.0	24.4	74	23.3	1976*
25	79.7	26.5	83.6	28.7	86	30.0	75.8	24.3	73	22.8	1975
26	79.5	26.4	83.2	28.4	86	30.0	75.8	24.3	72	22.2	1975
27	79.3	26.3	83.4	28.6	88	31.1	75.2	24.0	72	22.2	1975
28	80.4	26.9	84.8	29.3	87	30.6	76.0	24.4	75	23.9	1975*
29	79.2	26.2	84.2	29.0	87	30.6	74.2	23.4	72	22.2	1976*
30	79.8	26.6	84.0	28.9	88	31.1	75.6	24.2	72	22.2	1976
31	79.9	26.6	84.0	28.9	89	31.7	75.9	24.4	72	22.2	1976*
Monthly	79.9	26.6	84.0	28.9	89	31.7	75.9	24.4	72	22.2	1976*

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1977

STATION

DIEGO GARCIA

1972-1977

OCTOBER

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	79.3	26.3	83.5	28.6	86	30.0	75.2	24.0	72	22.2	1976
2	79.3	26.3	84.0	28.9	87	30.6	74.7	23.7	72	22.2	1977
3	80.0	26.7	84.7	29.3	86	30.0	75.3	24.1	72	22.2	1975
4	79.7	26.5	84.3	29.1	86	30.0	75.2	24.0	69	20.6	1975
5	80.2	26.8	84.0	28.9	86	30.0	76.3	24.6	74	23.3	1975
6	79.5	26.4	83.7	28.7	87	30.6	75.3	24.1	73	22.8	1975
7	79.0	26.1	83.3	28.5	87	30.6	74.7	23.7	66	18.9	1975
8	80.5	26.9	85.2	29.6	89	31.7	75.8	24.3	73	22.8	1975
9	80.1	26.7	84.3	29.1	87	30.6	75.8	24.3	72	22.2	1977*
10	80.4	26.9	85.0	29.4	88	31.1	75.8	24.3	72	22.2	1975
11	80.2	26.8	85.2	29.6	87	30.6	75.2	24.0	72	22.2	1975
12	79.6	26.4	83.3	28.5	85	29.4	75.8	24.3	71	21.7	1975
13	79.5	26.4	82.3	27.9	86	30.0	76.7	24.8	73	22.8	1975
14	79.7	26.5	83.7	28.7	86	30.0	75.7	24.3	73	22.8	1975
15	80.3	26.8	84.3	29.1	88	31.1	76.3	24.6	70	21.1	1975
16	80.8	27.1	84.8	29.3	88	31.1	76.8	24.9	76	24.4	1976*
17	80.7	27.1	85.2	29.6	89	31.7	76.3	24.6	73	22.8	1977
18	80.2	26.8	84.2	29.0	87	30.6	76.3	24.6	73	22.8	1977
19	80.8	27.1	84.3	29.1	89	31.7	77.3	25.2	75	23.9	1975
20	80.8	27.1	84.3	29.1	88	31.1	77.3	25.2	76	24.4	1977*
21	80.7	27.1	84.5	29.2	90	32.2	76.8	24.9	73	23.9	1977
22	80.7	27.1	85.0	29.4	88	31.1	76.5	24.7	73	22.8	1975
23	80.2	26.8	84.3	29.1	89	31.7	76.2	24.6	74	23.3	1977
24	80.4	26.9	85.2	29.6	90	32.2	75.7	24.3	73	22.8	1977
25	80.3	26.8	84.7	29.3	90	32.2	76.0	24.4	72	22.2	1976
26	81.1	27.3	85.5	29.7	90	32.2	76.7	24.8	73	22.8	1976
27	80.9	27.2	85.0	29.4	89	31.7	76.8	24.9	72	22.2	1976
28	81.2	27.3	85.3	29.6	88	31.1	77.0	25.0	75	23.9	1976*
29	81.1	27.3	85.7	29.8	87	30.6	76.5	24.7	74	23.3	1976
30	80.7	27.1	85.3	29.6	88	31.1	76.2	24.6	72	22.2	1975
31	80.7	27.1	85.0	29.4	87	30.6	76.3	24.6	74	23.3	1977
Monthly	80.3	26.8	84.5	29.2	90	32.2	76.1	24.5	66	18.9	1975

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



## DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

70701

DIEGO GARCIA

1972-1977

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	80.7	27.1	84.3	29.1	87	30.6	77.0	25.0	74	23.3	74	23.3	1976
2	80.1	26.7	84.5	29.2	86	30.0	75.7	24.3	71	21.7	71	21.7	1977
3	80.2	26.8	84.3	29.1	87	30.6	76.0	24.4	73	22.8	73	22.8	1974
4	80.4	26.9	85.2	29.6	87	30.6	75.7	24.3	73	22.8	73	22.8	1973
5	80.4	26.9	84.8	29.3	87	30.6	76.0	24.4	73	23.9	73	23.9	1977*
6	80.1	26.7	84.3	29.1	87	30.6	75.8	24.3	73	22.8	73	22.8	1977*
7	79.8	26.6	84.7	29.3	88	31.1	75.0	23.9	72	22.2	72	22.2	1977
8	80.7	27.1	85.2	29.6	87	30.6	76.2	24.6	74	23.3	74	23.3	1977*
9	80.7	27.1	85.3	29.6	88	31.1	76.2	24.6	74	23.3	74	23.3	1976
10	80.2	26.8	84.2	29.0	86	30.0	76.2	24.6	72	22.2	72	22.2	1977
11	80.2	26.8	83.8	28.8	86	30.0	76.3	24.7	73	22.8	73	22.8	1977
12	80.6	27.0	85.0	29.4	86	30.0	76.2	24.6	73	22.8	73	22.8	1974
13	81.3	27.4	85.2	29.6	87	30.6	77.5	25.3	76	24.4	76	24.4	1975*
14	81.3	27.4	85.5	29.7	87	30.6	77.2	25.1	75	23.9	75	23.9	1974
15	79.6	26.4	83.8	28.8	87	30.6	75.3	24.1	73	22.8	73	22.8	1976
16	80.2	26.8	84.7	29.3	87	30.6	75.8	24.3	74	23.3	74	23.3	1977
17	80.5	26.9	85.7	29.8	88	31.1	75.3	24.1	73	22.8	73	22.8	1976
18	81.7	27.6	85.7	29.8	87	30.6	77.8	25.4	75	23.9	75	23.9	1974
19	81.2	27.3	85.8	29.9	88	31.1	76.7	24.8	74	23.3	74	23.3	1977
20	81.7	27.6	86.2	30.1	88	31.1	77.3	25.2	75	23.9	75	23.9	1974
21	81.5	27.5	86.2	30.1	87	30.6	76.8	24.9	75	23.9	75	23.9	1976*
22	81.6	27.6	86.0	30.0	88	31.1	77.2	25.1	75	23.9	75	23.9	1974
23	81.1	27.3	85.3	29.6	86	30.0	76.8	24.9	75	23.9	75	23.9	1975*
24	80.7	27.1	84.7	29.3	87	30.6	76.8	24.9	74	23.3	74	23.3	1974
25	81.1	27.3	85.2	29.6	87	30.6	77.0	25.0	75	23.9	75	23.9	1975
26	80.6	27.0	85.8	29.9	88	31.1	75.3	24.1	72	22.2	72	22.2	1977
27	80.2	26.8	84.5	29.2	86	30.0	75.8	24.3	73	22.8	73	22.8	1977
28	80.5	26.9	84.7	29.3	86	30.0	76.3	24.6	73	22.8	73	22.8	1977
29	80.6	27.0	84.2	29.0	87	30.6	77.0	25.0	74	23.3	74	23.3	1977
30	80.2	26.8	84.7	29.3	89	31.7	75.8	24.3	74	23.3	74	23.3	1976
31													
Monthly	80.7	27.1	85.0	29.4	89	31.7	76.3	24.6	71	21.7	71	21.7	1977

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

70701

DIEGO GARCIA

1972-1977

DECEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	81.0	27.2	85.8	29.9	89	31.7	1977	76.2	24.6	74	23.3	1977
2	81.0	27.2	84.5	29.2	87	30.6	1972	77.5	25.3	74	23.3	1974
3	80.6	27.0	84.7	29.3	88	31.1	1977	76.5	24.7	73	22.8	1974
4	80.1	26.7	84.3	29.1	86	30.0	1973*	75.8	24.3	73	22.8	1974
5	80.7	27.1	85.0	29.4	89	31.7	1977	76.3	24.6	73	22.8	1974
6	79.7	26.5	83.7	28.7	86	30.0	1976	75.7	24.3	70	21.1	1974
7	80.7	27.1	84.3	29.1	87	30.6	1976*	77.0	25.0	74	23.3	1975*
8	80.8	27.1	85.0	29.4	89	31.7	1977	76.7	24.8	72	22.2	1974
9	79.3	26.3	83.5	28.6	87	30.6	1972	75.2	24.0	70	21.1	1974
10	80.9	27.2	85.7	29.8	88	31.1	1972	76.2	24.6	73	22.8	1974
11	81.2	27.3	86.0	30.0	89	31.7	1976	76.5	24.7	73	22.8	1974
12	80.6	27.0	84.8	29.3	88	31.1	1972	76.3	24.6	74	23.3	1974
13	80.2	26.8	84.7	29.3	87	30.6	1977	75.8	24.3	74	23.3	1974*
14	80.9	27.2	85.3	29.6	89	31.7	1976	76.5	24.7	74	23.3	1974
15	80.2	26.8	84.7	29.3	89	31.7	1977	75.7	24.3	74	23.3	1974*
16	80.9	27.2	85.7	29.8	89	31.7	1976	76.2	24.6	71	21.7	1974
17	81.2	27.3	85.5	29.7	88	31.1	1977*	76.8	24.9	74	23.3	1974
18	81.5	27.5	85.7	29.8	89	31.7	1977	77.3	25.2	76	24.4	1973
19	81.2	27.3	85.8	29.9	88	31.1	1977*	76.5	24.7	73	22.8	1974
20	81.2	27.3	86.2	30.1	90	32.2	1977	76.3	24.6	74	23.3	1974
21	80.5	26.9	84.2	29.0	87	30.6	1976	76.8	24.9	73	23.9	1976*
22	80.1	26.7	85.2	29.6	87	30.6	1975	75.0	23.9	65	18.3	1974
23	80.8	27.1	85.2	29.6	88	31.1	1977	76.5	24.7	67	19.4	1974
24	81.4	27.4	85.2	29.6	86	30.0	1977*	77.7	25.4	75	23.9	1977*
25	80.3	26.8	83.7	28.7	86	30.0	1974	77.0	25.0	74	23.3	1974
26	81.6	27.6	85.3	29.6	88	31.1	1977	77.8	25.4	74	23.3	1974
27	81.1	27.3	84.5	29.2	85	29.4	1977*	77.7	25.4	75	23.9	1977
28	81.5	27.5	86.0	30.0	88	31.1	1976	77.0	25.0	73	22.8	1974
29	80.4	26.9	85.2	29.6	88	31.1	1976	75.7	24.3	72	22.2	1974
30	79.8	26.6	84.8	29.3	88	31.1	1976	74.8	23.8	72	22.2	1975
31	81.1	27.3	85.8	29.9	88	31.1	1977*	76.3	24.6	72	22.2	1975
Monthly	80.7	27.1	85.0	29.4	90	32.2	1977	76.4	24.7	65	18.3	1974

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



# EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

70701

DIEGO GARCIA

STATION NAME

STATION

YEARS

WHOLE DEGREES FAHRENHEIT

5723 Extreme Values Jan 1969

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51		90		91	88	86	84	84	84	86	88	90	
52	91	90	91	91	91	86	84	82	84	84	86		
53	90	90	91	91	90	88	86		86	88	90	90	
54	90	90	93	90	88	86	86	84	82	88	88	91	93
55	91	88	90	90	86	82	84	84	86	84	88	88	91
56	88	88	90	90	86	84	82	86	84	86	86	88	90
57	90	90	90	90	88	86	84	86	86		88	90	
58	91	90	91	90	90	86	84	84	84	86	88	90	91
59	91	90	90	90	88	88	84	84	86	90	90	90	91
60	90	90	90	88	90	84	82	84	84	86	88	90	90
61	91	90	90	88	86	84	86	84	88	88	90	91	91
62	88	91	90	88	88	86	84	84	86	88	88		
63	88	90	90	90	88	86	86	86	88	88	88	91	91
64	90	90	90	91	90	86	86	84	86	88	88	88	91
65	88	88	90	90	90	88	84	84	86	86	88	90	90
66	90	90	90	88	88	88	86	86	88	88	90	88	90
67	90	88	90	90	90	88	88	86	88	88	88	88	
68	88	88	90	90	88	88	84	84	86	88	88	90	
69	88	90	90	91	90	86	86	88	88	88	88	90	91
70	90	91	91	91	88	88	86	84	86	88	88	88	91
71	88	88	90	88	88	86	86	86	86	86	86	88	90
72	92	93	90	91	87	86	83	86	84	88	88	88	91
73	89	93	90	91	88	95	87	87	88	85	86	87	95
74	86	87	93	87	88	86	86	85	88	90	87	87	95
75	89	89	89	88	88	86	85	87	89	85	87	87	89
76	86	87	89	89	91	90	87	86	89	90	88	89	
77	90	89	89	91	89	88	87	87		87	89	90	
MEAN	89.3	89.6	90.4	89.7	88.5	86.7	85.1	85.1	86.2	87.2	88.0	89.1	91.3
S. D.	1.548	1.502	1.225	1.259	1.424	2.350	1.542	1.412	1.848	1.588	1.183	1.320	1.673
TOTAL OBS.	806	763	775	810	837	610	837	806	780	775	780	775	9554

NAVWEASERVCOM



MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

51-77

**DIEGO GARCIA**

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

# EXTREME VALUES

## MINIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

70701 STATION DIEGO GARCIA STATION NAME 51-77 YEARS

### WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51		75		75	77	75	73	73	73	75	75	75	
52	73	75	75	77	75	72	73	72	72	73	73	73	
53	73	75	77	77	77	75	73		72	73	75	77	
54	75	75	77	75	77	75	73	73	72	73	73	72	72
55	73	73	73	73	73	72	72	72	73	73	73	72	72
56	73	73	72	73	72	72	72	72	72	72	73	73	72
57	72	73	75	75	75	73	72	70	72		73	75	
58	75	73	73	75	75	73	73	72	70	72	70	72	70
59	75	72	72	75	75	73	73	73	73	73	73	73	72
60	73	73	73	75	73	73	73	72	73	72	72	73	72
61	73	73	75	73	70	73	72	73	72	73	75	75	70
62	73	73	73	73	73	72	73	68	72	73	72		
63	72	73	73	75	73	73	72	72	73	73	73	72	72
64	72	73	73	73	73	70	70	72	72	72	70	70	70
65	72	70	72	73	72	70	70	66	70	72	72	70	66
66	73	73	73	72	73	72	73	72	70	72	72	73	70
67	72	73	72	73	70	72	72	70	72	72	72	72	
68	72	70	73	72	72	73	72	72	72		72	70	
69	73	72	73	73	72	72	70	68	70	73	70	73	68
70	73	73	73	72	73	73	72	70	72	68	70	72	68
71	72	73	70	73	70	70	70	72	72	72	70	70	70
72	74	72	75	75	74	75	73	70	74	75	76	75	70
73	75	76	75	77	76	74	73	74	73	75	73	74	73
74	74	73	71	70	70	72	71	70	72	74	73	65	65
75	70	72	72	71	72	69	69	71	72	66	74	72	66
76	72	74	72	75	75	73	73	72	72	72	73	74	
77	73	73	75	76	76	75	72	72		72	71	74	
MEAN	73.0	73.1	73.4	73.9	73.4	72.6	72.0	71.3	72.0	72.4	72.3	72.3	69.9
S. D.	1.183	1.357	1.708	1.817	2.172	1.621	1.209	1.823	1.020	1.913	1.679	2.383	2.398
TOTAL OBS.	806	763	775	810	837	810	837	806	780	775	780	775	9534

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

**DIEGO GARCIA**

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

**YEARS**

WHOLE DEGREES FAHRENHEIT  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM



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70701

**DIEGO GARCIA**

73-77

JAN

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

MOVES (L.S.Y.)

5

## PSYCHROMETRIC SUMMARY

JAN 68

[illegible]

# PSYCHROMETRIC SUMMARY

05 PSYCHROMETRIC SUMMARY JAN 68

FEB

73-77

DIEGO GARCIA

NORTH

YEARS

STATION NAME

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93						.1												1	1		
90/ 89					.5	.5												12	12		
88/ 87			.1	.4	2.2	1.6	.1											49	49		
86/ 85			.4	3.7	5.3	1.8	.1											125	125		
84/ 83		.2	4.3	6.7	3.7	.1												168	168	2	
82/ 81		1.5	10.2	5.1	.9													198	198	23	3
80/ 79		6.3	12.1	5.7														271	271	180	37
78/ 77	.6	9.5	7.7	1.4	.1													218	218	404	233
76/ 75	1.3	3.8	1.1															70	70	342	406
74/ 73	.4	.4	.1															11	11	155	283
72/ 71																				17	136
70/ 69																				23	23
68/ 67																				2	2
TOTAL	2.4	21.8	35.9	22.9	12.7	4.1	.2											1123	1123	1123	1123

Mean No. of Hours with Temperature

No. Obs.

$\Sigma X$

$\Sigma X^2$

Element (X)

Total

≥ 93 F

≥ 80 F

≥ 73 F

≥ 67 F

≥ 32 F

≥ 0 F

672.0

672.0

672.0

672.0

672.0

672.0

672.0

672.0

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# PSYCHROMETRIC SUMMARY

5785 PSYCHROMETRIC SUMMARY JAN 68

70701 DIEGO GARCIA 73-77 MAR NORTH  
STATION NAME YEARS MONTH  
PAGE 1  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	
96/ 95							.1											1	1		
90/ 89							.2											10	10		
88/ 87							.1											68	68		
86/ 85																		167	167		
84/ 83																		168	168	3	
82/ 81																		243	243	15	3
80/ 79																		338	338	133	18
78/ 77																		152	152	462	142
76/ 75																		74	74	413	438
74/ 73																		19	19	196	458
72/ 71																				17	163
70/ 69																				1	18
TOTAL	1.0	13.0	34.6	28.7	17.1	5.2	.4											1240	1240	1240	1240

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# PSYCHROMETRIC SUMMARY

70701

DIEGO GARCIA

73-77

APR

STATION NAME

YEARS

NORTH

PAGE 1

HOURS (L.S.T.)

05 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
92/ 91					.2													2	2		
90/ 89					.7	.2												11	11		
88/ 87				1.0	2.9	1.5	.1											66	66		
86/ 85			.5	2.7	6.6	2.1												142	142		
84/ 83		.3	4.5	6.9	4.1	.4												195	195	3	
82/ 81	.1	2.0	1.7	6.1	1.5													256	256	46	9
80/ 79	.2	4.3	10.4	5.6	.5													253	253	197	51
78/ 77	.3	6.2	7.1	1.4														181	181	432	288
76/ 75	.8	3.2	1.9	.4														76	76	314	352
74/ 73	.3	.4	.6															16	16	167	301
72/ 71	.1	.1																2	2	36	134
70/ 69																				5	60
68/ 67																					5
TOTAL	1.9	16.6	36.7	24.1	16.4	4.2	.1											1200	1200	1200	1200

NAVWEASERVCOM

# PSYCHROMETRIC SUMMARY

70701

DIEGO GARCIA

73-77

MAY

STATION

STATION NAME

YEARS

NORTH

5 PSYCHROMETRIC SUMMARY JAN 68

PAGE 1  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89					.1	.2	.1											5	5		
88/ 87				.5	1.7	1.9	.6											57	57		
86/ 85			.2	1.1	6.6	2.9												134	134		
84/ 83			1.5	5.3	7.7	1.4												196	196		
82/ 81		.6	6.9	7.5	5.4													253	253	16	1
80/ 79	.1	3.3	7.7	7.7	1.1													247	247	98	23
78/ 77	.2	3.4	8.6	4.7	.5													216	216	348	127
76/ 75	.1	3.0	3.8	1.1	.1													100	100	370	269
74/ 73	.2	1.6	.6															31	31	312	342
72/ 71	.1																	1	1	89	338
70/ 69																				7	124
68/ 67																					13
66/ 65																					2
64/ 63																					1
TOTAL	.711	.929	.427	.923	.1	6.4	.6											1240	1240	1240	1240

Element (X)	Σ X <sup>2</sup>	Σ X	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature							Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		
Rel. Hum.	7835251	98023	79.1	8.353	1240							Total	
Dry Bulb	8112931	100211	80.8	3.402	1240							744.0	
Wet Bulb	7098845	93781	75.6	2.237	1240							744.0	
Dew Point	6704822	91130	73.5	2.460	1240							744.0	

Mean No. of Hours with Temperature

No. Obs.

$\sigma_x$

$\bar{x}$

$\sum x$

$\sum x^2$

Element (X)

Total

≥93 F

≥80 F

≥73 F

≥67 F

≥32 F

≤0 F

1240

1240

8.353

79.1

98023

7835251

Rel. Hum.

744.0

744.0

744.0

744.0

744.0

744.0

744.0

744.0

744.0

744.0

744.0

744.0

744.0

744.0

744.0

744.0

744.0

744.0

744.0

744.0

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# PSYCHROMETRIC SUMMARY

05 PSYCHROMETRIC SUMMARY JAN 68

70701 DIEGO GARCIA 73-77  
STATION NAME YEARS  
JUN MONTH  
PAGE 1  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95								.1										1	1		
90/ 89				.1		.3	.2		.1									7	7		
88/ 87					.3	.8	.3											17	17		
86/ 85			.1	.4	3.9	2.0												77	77	1	
84/ 83			.3	4.2	5.8	1.1	.2											138	138		1
82/ 81		.1	1.9	10.2	4.8	.8												214	214	2	1
80/ 79		.9	12.1	9.7	2.3	.4												304	304	22	2
78/ 77		3.3	11.6	3.6	.8	.1												235	235	196	18
76/ 75	.2	4.3	5.6	2.8	.3													157	158	466	196
74/ 73	.2	1.3	1.5	.4														41	41	346	455
72/ 71		.3	.1	.1														6	6	116	308
70/ 69			.2															2	2	44	147
68/ 67																				4	45
66/ 65																				2	19
64/ 63																					7
TOTAL	.3	10.3	33.4	31.4	18.3	5.5	.7	.1	.1									1199	1200	1199	1199

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 80 F$	$\leq 93 F$			
Rel. Hum.	7607659	95033	79.3	7.929	1199								
Dry Bulb	7644651	95697	79.7	3.299	1200								
Wet Bulb	6692438	89540	74.7	2.179	1199								
Dew Point	6317684	86988	72.6	2.393	1199								



# PSYCHROMETRIC SUMMARY

70701  
STATION

DIEGO GARCIA  
STATION NAME

73-77  
YEARS

JUL  
MONTH

PAGE 1  
HOURS (L.S.T.)

5895 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87					.2	.2												2	2		
86/ 85				.1	.6	.2												12	12		
84/ 83			.4	3.3	3.0	1.0	.1											96	96		
82/ 81		.1	2.7	6.9	2.7	.2												156	156		
80/ 79		1.6	10.9	7.7	2.0	.2												277	277	17	2
78/ 77		7.8	17.3	9.4	1.2													443	443	130	30
76/ 75	.2	4.9	7.5	2.3	.2													188	188	412	200
74/ 73	.4	2.9	.7	.2														52	52	466	396
72/ 71		.8	.1															11	11	177	346
70/ 69	.1	.2																3	3	38	213
68/ 67																					42
66/ 65																					11
TOTAL	.718	.339	.629	.8	9.8	1.6	.1											1240	1240	1240	1240

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	8456360	101988	82.2	7.408	1240	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F
Dry Bulb	7644710	97306	78.5	2.673	1240			744.0	735.6	224.4	744.0
Wet Bulb	6845531	92101	74.3	1.953	1240			744.0	615.0	1.8	744.0
Dew Point	6514535	89833	72.4	2.289	1240			737.4	502.8	1.2	744.0

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# PSYCHROMETRIC SUMMARY

70701

DIEGO GARCIA

73-77

AUG

STATION NAME

YEARS

NORTH

PAGE 1

HOURS (L.S.T.)

05 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87								.1										1	1		
86/ 85								.1										21	21		
84/ 83								.2										80	80		
82/ 81								.2										176	176		
80/ 79																		259	259	18	2
78/ 77																		374	374	129	34
76/ 75																		244	244	319	167
74/ 73																		78	78	424	314
72/ 71																		7	7	225	325
70/ 69																				84	201
68/ 67																				22	129
66/ 65																				8	25
64/ 63																				9	20
62/ 61																				2	7
60/ 59																					7
58/ 57																					6
56/ 55																					3
TOTAL	.6	14.7	34.1	31.7	13.5	4.4	.7	.3										1240	1240	1240	1240

Mean No. of Hours with Temperature

No. Obs.

$\sigma_x$

$\bar{x}$

$\Sigma x$

$\Sigma x^2$

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

≥ 73 F

≥ 80 F

≥ 93 F

744.0

739.8

744.0

744.0

732.6

744.0

703.2

733.8

744.0

1240

1240

1240

8.619

2.780

3.324

80.3

78.4

71.6

99561

91358

88726

8085925

7622224

6735843

1240

1240

1240

8.619

2.780

3.324

80.3

78.4

71.6

99561

91358

88726

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# PSYCHROMETRIC SUMMARY

STATION 70701 DIEGO GARCIA STATION NAME 73-77 YEARS MONTH SEP

5005 PSYCHROMETRIC SUMMARY JAN 68

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb		
90/ 89						.1												1	1			
88/ 87						.2												5	5			
86/ 85			.2	.6	2.1	1.7	.2											58	58			
84/ 83			1.1	4.7	3.9	.7												124	124			
82/ 81		.2	3.9	5.8	4.8	.2												179	179	4		
80/ 79		2.3	12.0	8.0	2.2													294	294	31		
78/ 77	.2	6.7	15.0	6.2	.5													345	345	206		
76/ 75	1.1	6.0	4.1	2.8														168	168	456		
74/ 73	.4	1.5																23	23	381		
72/ 71		.2																3	3	108		
70/ 69																				14		
68/ 67																				29		
66/ 65																				2		
TOTAL	1.7	17.0	36.2	28.2	13.5	2.8	.4											1200	1200	1200		
						</																

Element (X)	ΣX <sup>2</sup>	ΣX	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	8116047	98195	81.8	6.210	1200							720.0
Dry Bulb	7563017	95203	79.3	2.889	1200							720.0
Wet Bulb	6738939	89895	74.9	1.975	1200							720.0
Dew Point	6417913	87715	73.1	2.294	1200							720.0



# PSYCHROMETRIC SUMMARY

STATION 70701 DIEGO GARCIA STATION NAME 73-77 YEARS OCT NORTH

PAGE 1  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
92/ 91						.1	.2											1	1					
90/ 89							.5											2	2					
88/ 87							.3											14	14					
86/ 85			.2	.7	2.6	2.4	.1											78	78					
84/ 83			1.9	4.4	4.0	1.4												148	148					
82/ 81		.2	5.8	6.0	2.5	.6												198	198	6	1			
80/ 79	.2	5.0	14.8	7.3	1.6													357	357	78	16			
78/ 77	.6	10.6	8.8	2.8	.5													288	288	333	138			
76/ 75	.9	3.1	2.7	1.9														107	107	434	341			
74/ 73	.6	1.1	.9															32	32	279	360			
72/ 71	.4	.2	.3															11	11	84	227			
70/ 69	.1																	1	1	23	105			
68/ 67	.2																	3	3	3	52			
TOTAL	2.92	1.235	.423	.11	.2	5.1	1.0											1240	1240	1240	1240			

NAVWEASERVCOM

# PSYCHROMETRIC SUMMARY

5 5 PSYCHROMETRIC SUMMARY JAN 68

70701 DIEGO GARCIA 73-77 NOV  
STATION NAME YEARS MONTH  
PAGE 1  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89							.1											1	1		
88/ 87							.1											13	13		
86/ 85								.4										99	99		
84/ 83								1.3										196	196		
82/ 81								.6										203	203	7	1
80/ 79																		289	289	102	21
78/ 77																		262	262	347	110
76/ 75																		117	117	473	423
74/ 73																		20	20	227	419
72/ 71																			41	41	168
70/ 69																			3	3	52
68/ 67																					3
66/ 65																					3
TOTAL	2.6	17.7	737.9	27.3	11.9	2.3	.2											1200	1200	1200	1200

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	8266714	99128	82.6	8.069	1200	≥ 32 F	≥ 27 F	≥ 23 F	≥ 19 F	≥ 15 F	≥ 11 F	720.0
Dry Bulb	7731642	96252	80.2	3.065	1200	720.0	720.0	720.0	720.0	720.0	720.0	720.0
Wet Bulb	6926226	91138	75.9	1.925	1200	720.0	693.6	27.6				720.0
Dew Point	6617791	89079	74.2	2.089	1200	718.2	646.8	13.2				720.0





# PSYCHROMETRIC SUMMARY

70701

DIEGO GARCIA

73-77

ALL

STATION NAME

YEARS

NORTH

PAGE 1

HOURS (L.S.T.)

PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
96/ 95								.0										2	2			
94/ 93								.0										1	1			
92/ 91								.0										3	3			
90/ 89				.0	.0	.0	.0		.0									58	58			
88/ 87			.0	.2	1.1	.9	.2	.0										354	354			
86/ 85			.2	1.4	4.1	1.7	.1	.0										1099	1100	1		
84/ 83		.1	1.8	5.6	4.5	.7	.0	.0										1864	1864	8	1	
82/ 81	.0	.8	6.2	7.3	2.8	.2	.0											2541	2541	149	21	
80/ 79	.1	3.5	12.0	7.1	1.2	.1												3496	3496	1119	247	
78/ 77	.4	7.3	10.2	4.0	.5	.1												3270	3270	3749	1561	
76/ 75	.8	4.1	3.8	1.5	.1	.0	.0											1505	1506	4904	3834	
74/ 73	.4	1.2	.6	.1	.0	.1	.0											346	346	3387	4376	
72/ 71	.1	.2	.0	.0	.0	.0												46	46	1004	2902	
70/ 69	.0	.0	.0															11	11	226	1199	
68/ 67	.0																	3	3	31	344	
66/ 65																				10	63	
64/ 63																				9	28	
62/ 61																				2	7	
60/ 59																					7	
58/ 57																					6	
56/ 55																					3	
TOTAL	1.717	1.134	8.27	4.14	6.4	4.0	.4	.0	.0									14399	14601	14599	14599	

Mean No. of Hours with Temperature

No. Obs.

$\sigma_x$

$\bar{x}$

$\Sigma x$

$\Sigma x^2$

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

Total

≥ 93 F

≥ 80 F

≥ 73 F

≥ 67 F

≥ 62 F

≥ 57 F

≥ 52 F

≥ 47 F

≥ 42 F

≥ 37 F

≥ 32 F

≥ 27 F

≥ 22 F

≥ 17 F

≥ 12 F

≥ 7 F

≥ 2 F

≥ -3 F

≥ -8 F

≥ -13 F

≥ -18 F

≥ -23 F

≥ -28 F

≥ -33 F

≥ -38 F

≥ -43 F

≥ -48 F

≥ -53 F

≥ -58 F

≥ -63 F

≥ -68 F

≥ -73 F

≥ -78 F

≥ -83 F

≥ -88 F

≥ -93 F

≥ -98 F

≥ -103 F

≥ -108 F

≥ -113 F

≥ -118 F

≥ -123 F

≥ -128 F

≥ -133 F

≥ -138 F

≥ -143 F

≥ -148 F

≥ -153 F

≥ -158 F

≥ -163 F

≥ -168 F

≥ -173 F

≥ -178 F

≥ -183 F

≥ -188 F

≥ -193 F

≥ -198 F

≥ -203 F

≥ -208 F

≥ -213 F

≥ -218 F

≥ -223 F

≥ -228 F

≥ -233 F

≥ -238 F

≥ -243 F

≥ -248 F

≥ -253 F

≥ -258 F

≥ -263 F

≥ -268 F

≥ -273 F

≥ -278 F

≥ -283 F

≥ -288 F

≥ -293 F

≥ -298 F

≥ -303 F

≥ -308 F

≥ -313 F

≥ -318 F

≥ -323 F

≥ -328 F

≥ -333 F

≥ -338 F

≥ -343 F

≥ -348 F

≥ -353 F

≥ -358 F

≥ -363 F

≥ -368 F

≥ -373 F

≥ -378 F

≥ -383 F

≥ -388 F

≥ -393 F

≥ -398 F

≥ -403 F

≥ -408 F

≥ -413 F

≥ -418 F

≥ -423 F

≥ -428 F

≥ -433 F

≥ -438 F

≥ -443 F

≥ -448 F

≥ -453 F

≥ -458 F

≥ -463 F

≥ -468 F

≥ -473 F

≥ -478 F

≥ -483 F

≥ -488 F

≥ -493 F

≥ -498 F

≥ -503 F

≥ -508 F

≥ -513 F

≥ -518 F

≥ -523 F

≥ -528 F

≥ -533 F

≥ -538 F

≥ -543 F

≥ -548 F

≥ -553 F

≥ -558 F

≥ -563 F

≥ -568 F

≥ -573 F

≥ -578 F

≥ -583 F

≥ -588 F

≥ -593 F

≥ -598 F

≥ -603 F

≥ -608 F

≥ -613 F

≥ -618 F

≥ -623 F

≥ -628 F

≥ -633 F

≥ -638 F

≥ -643 F

≥ -648 F

≥ -653 F

≥ -658 F

≥ -663 F

≥ -668 F

≥ -673 F

≥ -678 F

≥ -683 F

≥ -688 F

≥ -693 F

≥ -698 F

≥ -703 F

≥ -708 F

≥ -713 F

≥ -718 F

≥ -723 F

≥ -728 F

≥ -733 F

≥ -738 F

≥ -743 F

≥ -748 F

≥ -753 F

≥ -758 F

≥ -763 F

≥ -768 F

≥ -773 F

≥ -778 F

≥ -783 F

≥ -788 F

≥ -793 F

≥ -798 F

≥ -803 F

≥ -808 F

≥ -813 F

≥ -818 F

≥ -823 F

≥ -828 F

≥ -833 F

≥ -838 F

≥ -843 F

≥ -848 F

≥ -853 F

≥ -858 F

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

70701

DIEGO GARCIA

73-77

STATION

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN 78.6 S. D. 1.817 TOTAL OBS 155	MEAN 78.5 S. D. 1.813 TOTAL OBS 140	MEAN 78.6 S. D. 1.917 TOTAL OBS 155	MEAN 79.0 S. D. 2.150 TOTAL OBS 150	MEAN 78.3 S. D. 2.072 TOTAL OBS 155	MEAN 77.3 S. D. 2.190 TOTAL OBS 150	MEAN 76.9 S. D. 1.585 TOTAL OBS 155	MEAN 76.4 S. D. 1.678 TOTAL OBS 155	MEAN 77.3 S. D. 1.459 TOTAL OBS 150	MEAN 77.6 S. D. 1.990 TOTAL OBS 155	MEAN 78.0 S. D. 1.757 TOTAL OBS 150	MEAN 78.0 S. D. 2.080 TOTAL OBS 155	MEAN 77.9 S. D. 2.029 TOTAL OBS 1825
05	MEAN 78.3 S. D. 1.921 TOTAL OBS 155	MEAN 78.1 S. D. 1.842 TOTAL OBS 140	MEAN 78.4 S. D. 1.860 TOTAL OBS 155	MEAN 78.6 S. D. 2.133 TOTAL OBS 150	MEAN 78.0 S. D. 2.147 TOTAL OBS 155	MEAN 77.0 S. D. 2.194 TOTAL OBS 150	MEAN 76.5 S. D. 1.676 TOTAL OBS 155	MEAN 76.2 S. D. 1.665 TOTAL OBS 155	MEAN 77.0 S. D. 1.421 TOTAL OBS 150	MEAN 77.4 S. D. 1.944 TOTAL OBS 155	MEAN 77.6 S. D. 1.858 TOTAL OBS 150	MEAN 77.7 S. D. 2.267 TOTAL OBS 155	MEAN 77.6 S. D. 2.054 TOTAL OBS 1825
08	MEAN 81.0 S. D. 2.533 TOTAL OBS 154	MEAN 80.7 S. D. 2.467 TOTAL OBS 141	MEAN 81.4 S. D. 2.293 TOTAL OBS 155	MEAN 81.6 S. D. 2.618 TOTAL OBS 150	MEAN 81.4 S. D. 2.430 TOTAL OBS 155	MEAN 80.0 S. D. 2.260 TOTAL OBS 150	MEAN 78.4 S. D. 2.147 TOTAL OBS 155	MEAN 78.5 S. D. 1.898 TOTAL OBS 155	MEAN 79.7 S. D. 2.178 TOTAL OBS 150	MEAN 80.6 S. D. 2.259 TOTAL OBS 155	MEAN 81.1 S. D. 2.404 TOTAL OBS 150	MEAN 80.8 S. D. 2.870 TOTAL OBS 155	MEAN 80.4 S. D. 2.587 TOTAL OBS 1825
11	MEAN 82.7 S. D. 3.095 TOTAL OBS 155	MEAN 84.0 S. D. 2.541 TOTAL OBS 141	MEAN 84.4 S. D. 2.696 TOTAL OBS 155	MEAN 84.4 S. D. 2.818 TOTAL OBS 150	MEAN 84.3 S. D. 2.521 TOTAL OBS 155	MEAN 83.4 S. D. 2.266 TOTAL OBS 150	MEAN 81.3 S. D. 2.501 TOTAL OBS 155	MEAN 81.5 S. D. 2.291 TOTAL OBS 155	MEAN 82.6 S. D. 2.407 TOTAL OBS 150	MEAN 82.9 S. D. 2.865 TOTAL OBS 155	MEAN 83.1 S. D. 2.651 TOTAL OBS 150	MEAN 83.2 S. D. 2.609 TOTAL OBS 155	MEAN 83.1 S. D. 2.796 TOTAL OBS 1825
14	MEAN 83.0 S. D. 3.029 TOTAL OBS 155	MEAN 84.3 S. D. 2.726 TOTAL OBS 141	MEAN 84.6 S. D. 3.035 TOTAL OBS 155	MEAN 84.3 S. D. 3.188 TOTAL OBS 150	MEAN 84.3 S. D. 2.724 TOTAL OBS 155	MEAN 83.3 S. D. 2.726 TOTAL OBS 150	MEAN 81.2 S. D. 2.650 TOTAL OBS 155	MEAN 81.4 S. D. 2.428 TOTAL OBS 155	MEAN 82.4 S. D. 2.711 TOTAL OBS 150	MEAN 82.6 S. D. 3.130 TOTAL OBS 155	MEAN 83.2 S. D. 2.768 TOTAL OBS 150	MEAN 83.2 S. D. 3.217 TOTAL OBS 155	MEAN 83.2 S. D. 3.060 TOTAL OBS 1825
17	MEAN 81.7 S. D. 2.731 TOTAL OBS 154	MEAN 82.9 S. D. 2.858 TOTAL OBS 141	MEAN 83.2 S. D. 2.736 TOTAL OBS 155	MEAN 82.5 S. D. 2.930 TOTAL OBS 150	MEAN 82.2 S. D. 2.515 TOTAL OBS 155	MEAN 80.9 S. D. 2.564 TOTAL OBS 150	MEAN 79.1 S. D. 1.980 TOTAL OBS 155	MEAN 79.0 S. D. 2.113 TOTAL OBS 155	MEAN 80.0 S. D. 2.384 TOTAL OBS 150	MEAN 80.5 S. D. 2.654 TOTAL OBS 155	MEAN 81.3 S. D. 2.414 TOTAL OBS 150	MEAN 81.4 S. D. 2.751 TOTAL OBS 155	MEAN 81.2 S. D. 2.886 TOTAL OBS 1825
20	MEAN 79.1 S. D. 1.669 TOTAL OBS 155	MEAN 79.5 S. D. 2.164 TOTAL OBS 140	MEAN 79.7 S. D. 2.044 TOTAL OBS 155	MEAN 79.8 S. D. 2.259 TOTAL OBS 150	MEAN 79.2 S. D. 2.257 TOTAL OBS 155	MEAN 78.4 S. D. 2.026 TOTAL OBS 150	MEAN 77.3 S. D. 1.564 TOTAL OBS 155	MEAN 77.1 S. D. 1.670 TOTAL OBS 155	MEAN 77.8 S. D. 1.542 TOTAL OBS 150	MEAN 78.3 S. D. 1.990 TOTAL OBS 155	MEAN 78.7 S. D. 1.847 TOTAL OBS 150	MEAN 78.8 S. D. 1.975 TOTAL OBS 155	MEAN 78.6 S. D. 2.118 TOTAL OBS 1825
23	MEAN 79.1 S. D. 1.698 TOTAL OBS 155	MEAN 79.0 S. D. 1.871 TOTAL OBS 139	MEAN 79.3 S. D. 1.989 TOTAL OBS 155	MEAN 79.4 S. D. 2.256 TOTAL OBS 150	MEAN 78.8 S. D. 2.279 TOTAL OBS 155	MEAN 77.8 S. D. 1.858 TOTAL OBS 150	MEAN 77.1 S. D. 1.581 TOTAL OBS 155	MEAN 76.9 S. D. 1.640 TOTAL OBS 155	MEAN 77.6 S. D. 1.378 TOTAL OBS 150	MEAN 78.1 S. D. 1.870 TOTAL OBS 155	MEAN 78.6 S. D. 1.671 TOTAL OBS 150	MEAN 78.6 S. D. 2.117 TOTAL OBS 155	MEAN 78.4 S. D. 2.025 TOTAL OBS 1824
ALL HOURS	MEAN 80.4 S. D. 2.962 TOTAL OBS 1238	MEAN 80.9 S. D. 3.301 TOTAL OBS 1123	MEAN 81.2 S. D. 3.361 TOTAL OBS 1240	MEAN 81.2 S. D. 3.381 TOTAL OBS 1200	MEAN 80.8 S. D. 3.403 TOTAL OBS 1240	MEAN 79.7 S. D. 3.300 TOTAL OBS 1200	MEAN 78.5 S. D. 2.674 TOTAL OBS 1240	MEAN 78.4 S. D. 2.781 TOTAL OBS 1240	MEAN 79.3 S. D. 2.389 TOTAL OBS 1200	MEAN 79.7 S. D. 3.154 TOTAL OBS 1240	MEAN 80.2 S. D. 3.066 TOTAL OBS 1200	MEAN 80.2 S. D. 3.274 TOTAL OBS 1240	MEAN 80.0 S. D. 3.269 TOTAL OBS 14601



# MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD RECORDING COMPANY, U. S. A.

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

DIEGO GARCIA

STATION NAME

STATION

YEARS

HRS. (LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN 75.4 S. D. 1.879 TOTAL OBS 153	MEAN 75.6 S. D. 1.739 TOTAL OBS 140	MEAN 75.3 S. D. 1.474 TOTAL OBS 155	MEAN 75.7 S. D. 2.033 TOTAL OBS 150	MEAN 74.5 S. D. 2.011 TOTAL OBS 155	MEAN 73.6 S. D. 1.996 TOTAL OBS 150	MEAN 73.5 S. D. 1.600 TOTAL OBS 155	MEAN 72.6 S. D. 2.482 TOTAL OBS 155	MEAN 73.9 S. D. 1.659 TOTAL OBS 150	MEAN 74.4 S. D. 2.004 TOTAL OBS 155	MEAN 74.8 S. D. 1.531 TOTAL OBS 150	MEAN 74.8 S. D. 1.628 TOTAL OBS 155	MEAN 74.5 S. D. 2.062 TOTAL OBS 1825
05	MEAN 75.2 S. D. 1.770 TOTAL OBS 155	MEAN 75.4 S. D. 1.656 TOTAL OBS 140	MEAN 75.1 S. D. 1.465 TOTAL OBS 155	MEAN 75.5 S. D. 2.088 TOTAL OBS 150	MEAN 74.4 S. D. 2.054 TOTAL OBS 155	MEAN 73.5 S. D. 1.962 TOTAL OBS 150	MEAN 73.3 S. D. 1.569 TOTAL OBS 155	MEAN 72.5 S. D. 2.547 TOTAL OBS 155	MEAN 73.8 S. D. 1.573 TOTAL OBS 150	MEAN 74.3 S. D. 2.048 TOTAL OBS 155	MEAN 74.6 S. D. 1.483 TOTAL OBS 150	MEAN 74.7 S. D. 1.724 TOTAL OBS 155	MEAN 74.3 S. D. 2.048 TOTAL OBS 1825
08	MEAN 76.7 S. D. 1.768 TOTAL OBS 154	MEAN 76.7 S. D. 1.628 TOTAL OBS 141	MEAN 76.7 S. D. 1.465 TOTAL OBS 155	MEAN 77.1 S. D. 1.691 TOTAL OBS 150	MEAN 76.1 S. D. 1.685 TOTAL OBS 155	MEAN 74.9 S. D. 1.884 TOTAL OBS 150	MEAN 74.3 S. D. 1.846 TOTAL OBS 155	MEAN 73.8 S. D. 2.277 TOTAL OBS 155	MEAN 75.3 S. D. 1.806 TOTAL OBS 150	MEAN 76.0 S. D. 1.698 TOTAL OBS 155	MEAN 76.6 S. D. 1.521 TOTAL OBS 150	MEAN 76.4 S. D. 1.744 TOTAL OBS 155	MEAN 75.9 S. D. 2.029 TOTAL OBS 1825
11	MEAN 77.5 S. D. 2.055 TOTAL OBS 154	MEAN 78.1 S. D. 1.571 TOTAL OBS 141	MEAN 77.9 S. D. 1.466 TOTAL OBS 155	MEAN 78.3 S. D. 1.915 TOTAL OBS 150	MEAN 77.3 S. D. 1.651 TOTAL OBS 155	MEAN 76.4 S. D. 1.872 TOTAL OBS 150	MEAN 75.8 S. D. 1.642 TOTAL OBS 155	MEAN 75.5 S. D. 2.120 TOTAL OBS 155	MEAN 76.4 S. D. 1.792 TOTAL OBS 150	MEAN 77.0 S. D. 1.830 TOTAL OBS 155	MEAN 77.5 S. D. 1.725 TOTAL OBS 150	MEAN 77.4 S. D. 1.780 TOTAL OBS 155	MEAN 77.1 S. D. 1.990 TOTAL OBS 1825
14	MEAN 77.6 S. D. 1.900 TOTAL OBS 155	MEAN 78.2 S. D. 1.662 TOTAL OBS 141	MEAN 77.9 S. D. 1.660 TOTAL OBS 155	MEAN 78.1 S. D. 2.010 TOTAL OBS 150	MEAN 77.2 S. D. 1.865 TOTAL OBS 155	MEAN 76.2 S. D. 1.799 TOTAL OBS 150	MEAN 75.6 S. D. 1.984 TOTAL OBS 155	MEAN 75.5 S. D. 2.136 TOTAL OBS 155	MEAN 76.4 S. D. 1.822 TOTAL OBS 150	MEAN 76.9 S. D. 1.941 TOTAL OBS 155	MEAN 77.4 S. D. 1.606 TOTAL OBS 150	MEAN 77.1 S. D. 1.996 TOTAL OBS 155	MEAN 77.0 S. D. 2.068 TOTAL OBS 1824
17	MEAN 76.8 S. D. 1.928 TOTAL OBS 154	MEAN 77.5 S. D. 1.803 TOTAL OBS 141	MEAN 77.1 S. D. 1.522 TOTAL OBS 155	MEAN 77.1 S. D. 2.148 TOTAL OBS 150	MEAN 76.1 S. D. 2.099 TOTAL OBS 155	MEAN 75.0 S. D. 1.993 TOTAL OBS 150	MEAN 74.6 S. D. 1.776 TOTAL OBS 155	MEAN 73.9 S. D. 2.108 TOTAL OBS 155	MEAN 75.2 S. D. 1.800 TOTAL OBS 150	MEAN 75.7 S. D. 2.021 TOTAL OBS 155	MEAN 76.4 S. D. 1.607 TOTAL OBS 150	MEAN 76.4 S. D. 1.687 TOTAL OBS 155	MEAN 75.9 S. D. 2.177 TOTAL OBS 1825
20	MEAN 75.3 S. D. 1.955 TOTAL OBS 155	MEAN 75.9 S. D. 1.818 TOTAL OBS 140	MEAN 75.6 S. D. 1.704 TOTAL OBS 155	MEAN 75.9 S. D. 2.136 TOTAL OBS 150	MEAN 74.8 S. D. 2.035 TOTAL OBS 155	MEAN 74.1 S. D. 1.901 TOTAL OBS 149	MEAN 73.6 S. D. 1.791 TOTAL OBS 155	MEAN 72.8 S. D. 2.492 TOTAL OBS 155	MEAN 74.2 S. D. 1.583 TOTAL OBS 150	MEAN 74.7 S. D. 1.977 TOTAL OBS 155	MEAN 75.2 S. D. 1.698 TOTAL OBS 150	MEAN 75.1 S. D. 1.601 TOTAL OBS 155	MEAN 74.8 S. D. 2.116 TOTAL OBS 1824
23	MEAN 75.6 S. D. 1.792 TOTAL OBS 155	MEAN 75.8 S. D. 1.615 TOTAL OBS 139	MEAN 75.5 S. D. 1.605 TOTAL OBS 155	MEAN 75.8 S. D. 2.055 TOTAL OBS 150	MEAN 74.7 S. D. 2.069 TOTAL OBS 155	MEAN 73.8 S. D. 1.874 TOTAL OBS 150	MEAN 73.6 S. D. 1.682 TOTAL OBS 155	MEAN 72.7 S. D. 2.488 TOTAL OBS 155	MEAN 74.2 S. D. 1.572 TOTAL OBS 150	MEAN 74.6 S. D. 1.933 TOTAL OBS 155	MEAN 75.2 S. D. 1.639 TOTAL OBS 150	MEAN 75.1 S. D. 1.647 TOTAL OBS 155	MEAN 74.7 S. D. 2.064 TOTAL OBS 1824
ALL HOURS	MEAN 76.3 S. D. 2.091 TOTAL OBS 1237	MEAN 76.7 S. D. 2.003 TOTAL OBS 1123	MEAN 76.4 S. D. 1.895 TOTAL OBS 1240	MEAN 76.7 S. D. 2.263 TOTAL OBS 1200	MEAN 75.6 S. D. 2.238 TOTAL OBS 1240	MEAN 74.7 S. D. 2.179 TOTAL OBS 1199	MEAN 74.3 S. D. 1.954 TOTAL OBS 1240	MEAN 73.7 S. D. 2.597 TOTAL OBS 1240	MEAN 74.9 S. D. 1.976 TOTAL OBS 1200	MEAN 75.5 S. D. 2.197 TOTAL OBS 1240	MEAN 75.9 S. D. 1.926 TOTAL OBS 1200	MEAN 75.9 S. D. 1.999 TOTAL OBS 1240	MEAN 75.5 S. D. 2.314 TOTAL OBS 14599



## MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

DIEGO GARCIA

70701

STATION

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
02	MEAN	74.0	74.4	74.0	74.4	72.9	72.0	72.0	70.9	72.4	73.1	73.5	73.4	73.1
	S. D.	2.477	2.167	1.663	2.393	2.471	2.384	2.082	3.359	2.203	2.540	1.948	2.171	2.570
	TOTAL OBS	155	140	155	150	155	150	155	155	150	155	150	155	1825
05	MEAN	73.8	74.3	73.7	74.2	72.8	71.9	71.9	70.7	72.4	72.9	73.3	73.4	72.9
	S. D.	2.376	2.009	1.687	2.444	2.500	2.313	2.039	3.423	2.045	2.547	1.926	2.214	2.548
	TOTAL OBS	155	140	155	150	155	150	155	155	150	155	150	155	1825
08	MEAN	75.1	75.2	74.8	75.3	73.9	72.9	72.6	71.7	73.5	74.1	74.7	74.6	74.0
	S. D.	2.219	1.919	1.736	2.056	2.106	2.247	2.261	3.143	2.252	2.420	1.929	2.150	2.486
	TOTAL OBS	154	141	155	150	155	150	155	155	150	155	150	155	1825
11	MEAN	75.6	75.9	75.4	76.0	74.5	73.6	73.5	72.9	73.9	74.7	75.2	75.1	74.7
	S. D.	2.452	1.968	1.598	2.416	2.151	2.370	2.030	2.891	2.322	2.472	2.072	2.171	2.459
	TOTAL OBS	154	141	155	150	155	150	155	155	150	155	150	155	1825
14	MEAN	75.5	75.9	75.4	75.7	74.3	73.3	73.3	73.0	74.0	74.5	75.1	74.7	74.6
	S. D.	2.356	1.998	1.772	2.381	2.318	2.222	2.440	2.972	2.320	2.600	1.941	2.179	2.497
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
17	MEAN	74.8	75.4	74.6	74.9	73.6	72.5	72.4	71.7	73.2	73.7	74.4	74.3	73.8
	S. D.	2.363	2.139	1.746	2.534	2.494	2.424	2.281	2.915	2.294	2.643	1.905	2.036	2.580
	TOTAL OBS	154	141	155	150	155	150	155	155	150	155	150	155	1825
20	MEAN	74.0	74.5	74.0	74.4	73.0	72.2	71.9	70.8	72.6	73.2	73.8	73.5	73.1
	S. D.	2.594	2.121	1.974	2.533	2.456	2.325	2.324	3.466	2.197	2.556	2.027	2.121	2.642
	TOTAL OBS	155	140	155	150	155	149	155	155	150	155	150	155	1824
23	MEAN	74.2	74.5	74.0	74.4	73.0	72.0	72.0	70.8	72.6	73.2	73.8	73.6	73.2
	S. D.	2.487	2.034	1.925	2.317	2.517	2.330	2.222	3.474	2.073	2.538	2.064	2.179	2.612
	TOTAL OBS	155	139	155	150	155	150	155	155	150	155	150	155	1824
ALL HOURS	MEAN	74.6	75.0	74.5	74.9	73.5	72.6	72.4	71.6	73.1	73.7	74.2	74.1	73.7
	S. D.	2.503	2.133	1.865	2.466	2.461	2.394	2.290	3.325	2.294	2.615	2.089	2.242	2.631
	TOTAL OBS	1237	1123	1240	1200	1240	1199	1240	1240	1200	1240	1200	1240	14599

2

2

83

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	85.7	35.7	87.7	140
	05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	87.1	39.3	88.4	140
	08	100.0	100.0	100.0	100.0	100.0	100.0	95.7	67.4	20.6	84.1	141
	11	100.0	100.0	100.0	100.0	100.0	100.0	78.7	31.2	6.4	77.2	141
	14	100.0	100.0	100.0	100.0	100.0	100.0	71.6	27.7	5.7	76.3	141
	17	100.0	100.0	100.0	100.0	100.0	99.3	81.6	39.0	9.2	78.6	141
	20	100.0	100.0	100.0	100.0	100.0	100.0	100.0	70.7	22.9	85.2	140
	23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	78.4	29.5	86.6	139
TOTALS		100.0	100.0	100.0	100.0	100.0	99.9	91.0	60.9	21.2	83.0	1123



## 2

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTRATION COMPANY, U. S. A.

70701 DIEGO GARCIA

73-77

MAR

STATION

STATION NAME

PERIOD

**MONTH**

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
MAR	02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	85.2	20.6	86.3	155
	05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	82.6	22.6	86.1	155
	08	100.0	100.0	100.0	100.0	100.0	100.0	96.6	44.5	11.0	80.6	155
	11	100.0	100.0	100.0	100.0	100.0	100.0	70.3	14.2	5.2	75.0	155
	14	100.0	100.0	100.0	100.0	100.0	100.0	60.6	14.2	4.5	74.1	155
	17	100.0	100.0	100.0	100.0	100.0	100.0	78.1	21.9	6.5	75.8	155
	20	100.0	100.0	100.0	100.0	100.0	100.0	98.1	60.6	9.7	83.0	155
	23	100.0	100.0	100.0	100.0	100.0	100.0	99.4	72.3	12.9	84.1	155
TOTALS		100.0	100.0	100.0	100.0	100.0	100.0	67.9	49.4	11.6	80.6	1240

5706 RELATIVE HUMIDITY JAN 68

70701

**DIEGO GARCIA**

73-77

STATION

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

PERIOD

APR

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
APR	02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	84.0	23.3	86.0	150
	05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	84.7	26.0	86.8	150
	08	100.0	100.0	100.0	100.0	100.0	100.0	91.3	56.7	14.7	82.0	150
	11	100.0	100.0	100.0	100.0	100.0	100.0	70.7	24.7	11.3	76.5	150
	14	100.0	100.0	100.0	100.0	100.0	100.0	69.3	24.7	8.0	76.2	150
	17	100.0	100.0	100.0	100.0	100.0	100.0	79.3	31.3	11.3	78.5	150
	20	100.0	100.0	100.0	100.0	100.0	100.0	99.3	66.0	18.0	83.9	150
	23	100.0	100.0	100.0	100.0	100.0	100.0	99.3	78.7	16.7	85.3	150
TOTALS		100.0	100.0	100.0	100.0	100.0	100.0	88.7	56.4	16.2	81.9	1200





5706 RELATIVE HUMIDITY JAN 68

MONTH	JUN
-------	-----

73-77

**DIEGO GARCIA**

70701

MONTH

PERIOD

STATION NAME

STATION

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
JUN	02	100.0	100.0	100.0	100.0	100.0	100.0	99.3	72.7	16.7	84.1	150
	05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	78.0	14.7	84.8	150
	08	100.0	100.0	100.0	100.0	100.0	100.0	94.0	34.7	6.7	79.4	150
	11	100.0	100.0	100.0	100.0	100.0	98.7	57.3	13.3	.7	72.7	150
	14	100.0	100.0	100.0	100.0	100.0	97.3	58.0	11.3	2.7	72.5	150
	17	100.0	100.0	100.0	100.0	100.0	99.3	80.7	24.0	3.3	76.1	150
	20	100.0	100.0	100.0	100.0	100.0	99.3	99.3	55.0	8.7	81.7	149
	23	100.0	100.0	100.0	100.0	100.0	100.0	98.7	66.7	10.0	82.7	150
TOTALS		100.0	100.0	100.0	100.0	100.0	99.3	85.9	44.5	7.9	79.3	1199



5706 RELATIVE HUMIDITY JAN 68

**AUG**

73-77

70701 DIEGO GARCIA

**MONTH**

PERIOD

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	02	100.0	100.0	100.0	100.0	100.0	98.7	96.1	65.2	18.1	83.7	155
	05	100.0	100.0	100.0	100.0	100.0	98.7	94.2	67.1	17.4	83.5	155
	08	100.0	100.0	100.0	100.0	100.0	98.1	87.7	52.3	13.5	80.3	155
	11	100.0	100.0	100.0	100.0	100.0	96.1	73.5	25.8	7.1	75.9	155
	14	100.0	100.0	100.0	100.0	100.0	94.8	80.6	27.1	7.1	76.3	155
	17	100.0	100.0	100.0	100.0	100.0	98.1	85.8	38.7	9.0	78.9	155
	20	100.0	100.0	100.0	100.0	100.0	97.4	92.3	59.4	14.2	81.6	155
	23	100.0	100.0	100.0	100.0	100.0	98.1	94.8	61.3	14.2	82.2	155
TOTALS		100.0	100.0	100.0	100.0	100.0	97.5	88.1	49.6	12.6	80.3	1240







5706 RELATIVE HUMIDITY JAN 68

70701 DIEGO GARCIA

73-77

NOV

STATION NAME

PERIOD

**MONTH**

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NDV	02	100.0	100.0	100.0	100.0	100.0	100.0	99.3	82.7	28.0	86.7	150
	05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	62.0	33.3	87.1	150
	08	100.0	100.0	100.0	100.0	100.0	100.0	91.3	49.3	16.0	81.5	150
	11	100.0	100.0	100.0	100.0	100.0	99.3	85.3	26.0	7.3	77.7	150
	14	100.0	100.0	100.0	100.0	100.0	100.0	80.0	26.7	8.7	77.0	150
	17	100.0	100.0	100.0	100.0	100.0	100.0	92.7	42.7	10.0	80.2	150
	20	100.0	100.0	100.0	100.0	100.0	100.0	99.3	77.3	18.0	85.1	150
	23	100.0	100.0	100.0	100.0	100.0	100.0	99.3	80.0	23.3	85.5	150
TOTALS		100.0	100.0	100.0	100.0	100.0	99.9	93.4	58.3	18.1	82.6	1200



## 2

**圖書**

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三、

DEC

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
DEC	02	100.0	100.0	100.0	100.0	100.0	100.0	95.5	79.4	33.5	86.2	155
	05	100.0	100.0	100.0	100.0	100.0	100.0	96.8	78.7	36.8	87.1	155
	08	100.0	100.0	100.0	100.0	100.0	100.0	89.7	54.2	23.2	82.2	155
	11	100.0	100.0	100.0	100.0	100.0	100.0	77.4	31.6	5.8	77.2	155
	14	100.0	100.0	100.0	100.0	100.0	100.0	71.6	26.5	5.2	76.1	155
	17	100.0	100.0	100.0	100.0	100.0	99.4	85.8	43.2	9.7	79.7	155
	20	100.0	100.0	100.0	100.0	100.0	100.0	97.4	65.8	20.0	84.3	155
	23	100.0	100.0	100.0	100.0	100.0	100.0	95.5	71.0	29.0	85.1	155
TOTALS		100.0	100.0	100.0	100.0	100.0	99.9	88.7	56.3	20.4	82.2	1240

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# RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

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70701 DIEGO GARCIA 73-77 ALL MONTH  
STATION NAME PERIOD

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	100.0	100.0	91.0	59.0	23.7	83.1	1237
FEB		100.0	100.0	100.0	100.0	100.0	99.9	91.0	60.9	21.2	83.0	1123
MAR		100.0	100.0	100.0	100.0	100.0	100.0	87.9	49.4	11.6	80.6	1240
APR		100.0	100.0	100.0	100.0	100.0	100.0	88.7	56.4	16.2	81.9	1200
MAY		100.0	100.0	100.0	100.0	100.0	99.8	82.5	42.5	8.7	79.1	1240
JUN		100.0	100.0	100.0	100.0	100.0	99.3	85.9	44.5	7.9	79.3	1199
JUL		100.0	100.0	100.0	100.0	100.0	99.9	94.2	58.9	14.4	82.3	1240
AUG		100.0	100.0	100.0	100.0	100.0	97.5	88.1	49.6	12.6	80.3	1240
SEP		100.0	100.0	100.0	100.0	100.0	99.5	90.7	56.2	15.4	81.8	1200
OCT		100.0	100.0	100.0	100.0	100.0	99.3	87.5	59.5	21.5	82.4	1240
NOV		100.0	100.0	100.0	100.0	100.0	99.9	93.4	58.3	18.1	82.6	1200
DEC		100.0	100.0	100.0	100.0	100.0	99.9	88.7	56.3	20.4	82.2	1240
TOTALS		100.0	100.0	100.0	100.0	100.0	99.6	89.1	54.3	16.0	81.6	14599

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

70701  
STATION

DIEGO GARCIA  
STATION NAME

JAN 1973-DEC 1977  
YEARS

JANUARY  
MONTH

ALL  
HOURS 1-23.7

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	6.3	9.4	3.1	6.3	6.3	21.9	43.8	3.1	32	32	2.6
82 TO 86	10.4	5.6	5.8	6.3	7.3	31.6	24.6	3.5	395	395	31.9
77 TO 81	14.7	3.4	3.8	4.3	6.3	27.2	27.0	7.8	729	729	58.9
72 TO 76	12.3	2.5	1.2	4.9	4.9	13.6	32.1	18.5	81	81	6.5
67 TO 71	100.0								1	1	.1
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13.0	4.0	4.4	5.2	5.3	6.5	27.5	27.0	7.0	1238	100.0



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

70701  
STATION

DIEGO GARCIA

STATION NAME

JAN 1973-DEC 1977

YEARS

FEBRUARY

MONTH

ALL

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ESE & E	ESSE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	16.4	13.1	1.6	1.6	6.6	8.2	21.3	29.5	1.6	61	5.5
82 TO 86	12.0	3.7	6.4	6.1	5.3	8.5	32.7	21.8	3.5	376	33.6
77 TO 81	9.5	2.0	3.2	5.5	7.1	7.0	29.9	26.0	8.0	603	53.9
72 TO 76	10.3		2.6	3.8	12.8	15.4	21.8	19.2	14.1	78	7.0
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LOWER											
TOTALS	10.7	3.0	4.2	5.4	6.9	8.1	29.8	25.4	6.5	1119	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

70701  
STATION

DIEGO GARCIA

STATION NAME

JAN 1973-DEC 1977  
YEARS

MARCH

MONTH

ALL  
HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96							100.0			1	1
87 TO 91	10.3	1.3	15.4	5.1	10.3	14.1	21.8	19.2	2.6	78	6.3
82 TO 86	9.8	4.0	8.5	8.2	9.8	10.7	25.6	20.7	2.7	449	36.2
77 TO 81	10.5	2.3	4.8	7.6	10.7	8.6	24.7	19.9	11.0	619	50.0
72 TO 76	7.6	1.1	1.1	15.2	21.7	10.9	13.0	10.9	18.5	92	7.4
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.0	2.7	6.5	8.2	11.1	9.8	24.1	19.5	8.0	1239	100.0

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# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

70701  
STATION

DIEGO GARCIA

STATION NAME

JAN 1973-DEC 1977

YEARS

APRIL

MONTH

ALL

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	6.3	5.1	20.3	11.4	8.9	8.9	20.3	13.9	5.1	79	6.6
82 TO 86	5.2	1.3	10.9	16.7	20.7	12.4	16.5	8.0	8.3	460	38.3
77 TO 81	4.8	1.8	7.9	19.8	26.1	7.6	11.3	6.9	13.9	567	47.3
72 TO 76	4.3	2.1	9.6	20.2	23.4	7.4	9.6	3.2	20.2	94	7.8
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	5.0	1.8	10.0	18.1	22.7	9.5	13.8	7.5	11.7	1200	100.0



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

70701  
STATION

DIEGO GARCIA

STATION NAME

JAN 1973-DEC 1977

YEARS

MAY

MONTH

ALL

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91			16.1	54.8	11.3	12.9	3.2	1.6		62	5.0
82 TO 86		1.7	15.0	47.5	27.0	4.1	2.6	.2	1.7	459	37.0
77 TO 81	.2	2.4	12.8	50.6	26.2	2.6	1.7	.5	3.1	587	47.3
72 TO 76			7.6	47.7	33.3	.8			10.6	132	10.6
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	.1	1.9	13.2	49.4	26.5	3.5	1.9	.4	3.2	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

70701  
STATION

DIEGO GARCIA

STATION NAME

JAN 1973-DEC 1977

YEARS

JUNE

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96		100.0								1	.1
87 TO 91		8.3	33.3	45.8	12.5					24	2.0
82 TO 86		.6	14.4	59.2	20.2	2.3	1.8	.9		326	27.2
77 TO 81	.2	.3	10.1	60.6	23.3	1.4	2.6	.2	1.1	642	53.5
72 TO 76	.5	1.0	2.9	50.0	37.3	1.5	.5	.5	5.9	204	17.0
67 TO 71				33.3	66.7					3	.3
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	.2	.7	10.6	58.0	24.8	1.8	2.0	.4	1.6	1200	100.0

570 REQ. AIR TEMP. VS. WIND R. JAN. 68

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

70701  
STATION

DIEGO GARCIA

STATION NAME

JAN 1973-DEC 1977  
YEARS

JULY

MONTH

ALL  
HOURS 1 L.S.T.J

TEMP.	NINW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91			50.0	50.0						2	.2
82 TO 86		.6	5.6	62.9	30.3	.6				178	14.4
77 TO 81	.2	.4	6.3	64.9	27.5	.2			.4	806	65.0
72 TO 76			4.5	61.9	32.8	.4			.4	247	19.9
67 TO 71		14.3		42.9	14.3	28.6				7	.6
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	.2	.4	5.9	63.8	29.0	.5			.3	1240	100.0



# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

70701  
STATION

DIEGO GARCIA

JAN 1973-DEC 1977

AUGUST

ALL  
HOURS (L.S.T.)

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	1.5	2.0	14.3	47.4	33.2	1.5				196	15.8
77 TO 81	.4	.6	6.2	51.4	40.5	.6	.3	.1		714	57.6
72 TO 76	.3	1.2	4.3	52.9	39.8		.3		1.2	329	26.5
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	.6	1.0	6.9	51.1	39.2	.6	.2	.1	.3	1240	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

70701  
STATION

DIEGO GARCIA

STATION NAME

JAN 1973-DEC 1977  
YEARS

SEPTEMBER

MONTH

ALL  
HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
112 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91			16.7	16.7	33.3	16.7	16.7			6	.5
82 TO 86	.7	2.1	9.9	48.9	32.7	2.3	1.8	.4	1.1	284	23.7
77 TO 81	.6	2.0	4.6	55.0	28.9	2.1	2.4	.4	4.1	716	59.7
72 TO 76	2.1	1.5	6.2	41.8	37.6	2.6	1.0	1.5	5.7	194	16.2
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	.8	1.9	6.2	51.3	31.3	2.3	2.1	.6	3.6	1200	100.0

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

70701  
STATION

DIEGO GARCIA

STATION NAME

JAN 1973-DEC 1977

YEARS

OCTOBER

MONTH

ALL  
HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96			100.0								
87 TO 91			12.5	68.8	18.8					1	.1
82 TO 86	1.2	3.3	18.2	31.3	32.8	6.9	5.1	.9	.3	16	1.3
77 TO 81	1.9	2.6	10.2	39.0	32.4	6.8	3.3	2.5	1.4	335	27.0
72 TO 76	2.7	2.7	6.8	19.6	37.2	14.2	5.4	4.7	6.8	734	59.2
67 TO 71	16.7		16.7				16.7	16.7	33.3	148	11.9
62 TO 66										6	.5
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	1.9	2.7	12.1	34.8	32.7	7.6	4.0	2.3	1.9	1240	100.0



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

70701  
STATION

DIEGO GARCIA

STATION NAME

JAN 1973-DEC 1977  
YEARS

NOVEMBER  
MONTH

ALL  
HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91			14.3	42.9	7.1	14.3	14.3	7.1		14	1.2
82 TO 86	5.6	4.1	10.7	27.6	32.5	5.6	5.1	7.9	1.0	391	32.6
77 TO 81	4.0	2.9	10.3	28.6	29.9	4.7	8.5	6.8	4.3	658	54.8
72 TO 76	8.0	2.2	3.6	32.1	36.5	2.9	5.1	2.9	6.6	137	11.4
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.9	3.2	9.8	28.8	31.3	4.8	7.1	6.8	3.4	1200	100.0

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

70701  
STATION

DIEGO GARCIA

STATION NAME

JAN 1973-DEC 1977

YEARS

DECEMBER

MONTH

ALL  
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	10.3	7.7	17.9	12.8		15.4	28.2	5.1	2.6	39	3.1
82 TO 86	8.6	4.8	17.2	11.1	10.4	8.3	14.6	18.7	6.3	396	31.9
77 TO 81	12.2	2.5	8.5	6.0	12.9	6.8	18.6	21.8	10.8	650	52.4
72 TO 76	12.8	.7	2.7	11.5	11.5	2.0	15.5	24.3	18.9	148	11.9
67 TO 71		14.3		14.3			42.9	14.3		7	.6
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	11.0	3.2	10.8	8.3	11.5	6.9	17.4	20.6	10.0	1240	100.0

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

## WIND DIRECTION

 70701  
STATION

DIEGO GARCIA

STATION NAME

JAN 1973-DEC 1977

YEARS

 ALL  
MONTH

 ALL  
HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96			75.0				25.0			4	.0
87 TO 91	7.0	4.3	15.2	20.0	9.4	10.1	16.7	15.0	2.2	414	2.8
82 TO 86	5.2	3.0	11.5	27.5	20.4	6.6	13.1	9.9	2.8	4245	29.1
77 TO 81	4.8	1.9	7.3	33.8	22.8	4.4	10.5	9.2	5.2	8025	55.0
72 TO 76	3.7	1.2	4.5	37.3	31.2	3.8	4.8	5.6	8.0	1884	12.9
67 TO 71	8.3	8.3	4.2	20.8	16.7	8.3	16.7	8.3	8.3	24	.2
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	4.8	2.2	8.4	32.0	22.8	5.1	10.7	9.1	4.8	14596	100.0

NAVWEASERVCOM

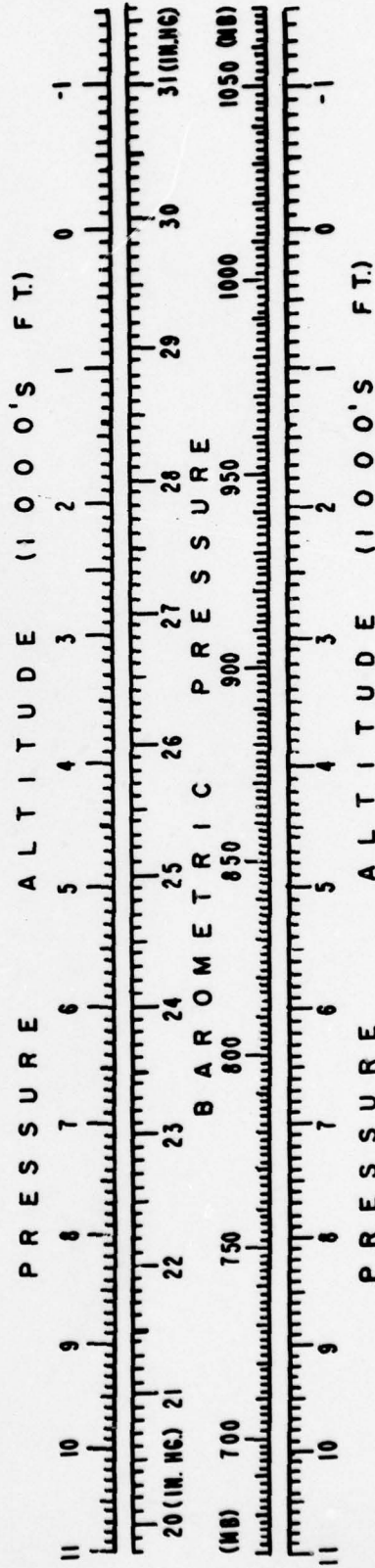


## PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



## STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

**DIEGO GARCIA**

70701	STATION
-------	---------

STATION NAME

## STATION

1

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN S. D. TOTAL OBS	29.812 .037 155	29.819 .038 141	29.812 .047 155	29.789 .039 150	29.816 .045 155	29.820 .042 150	29.829 .044 155	29.844 .043 155	29.847 .045 150	29.823 .043 155	29.805 .044 150	29.819 .045 1826
05	MEAN S. D. TOTAL OBS	29.804 .035 155	29.803 .038 141	29.799 .048 155	29.776 .040 150	29.804 .045 155	29.809 .043 150	29.815 .044 155	29.832 .043 155	29.838 .045 150	29.820 .044 155	29.805 .042 155	29.809 .045 1826
08	MEAN S. D. TOTAL OBS	29.861 .036 155	29.859 .039 141	29.850 .046 155	29.826 .039 150	29.847 .045 155	29.850 .043 150	29.854 .044 155	29.877 .044 155	29.889 .043 150	29.872 .044 155	29.859 .039 150	29.859 .045 1826
11	MEAN S. D. TOTAL OBS	29.863 .034 155	29.868 .039 141	29.864 .047 155	29.841 .036 150	29.862 .045 155	29.862 .043 150	29.870 .044 155	29.893 .044 155	29.898 .042 150	29.878 .044 155	29.855 .038 150	29.868 .044 1826
14	MEAN S. D. TOTAL OBS	29.806 .036 155	29.804 .038 141	29.795 .048 155	29.773 .037 150	29.797 .044 155	29.802 .042 150	29.810 .045 155	29.830 .044 155	29.832 .045 150	29.811 .043 155	29.792 .038 150	29.804 .045 1826
17	MEAN S. D. TOTAL OBS	29.785 .037 155	29.781 .038 141	29.778 .046 155	29.762 .038 150	29.790 .046 155	29.795 .042 150	29.804 .044 155	29.819 .042 155	29.821 .046 150	29.799 .043 155	29.777 .037 150	29.791 .045 1826
20	MEAN S. D. TOTAL OBS	29.845 .036 155	29.840 .039 141	29.834 .045 155	29.814 .039 150	29.839 .046 155	29.840 .044 150	29.848 .045 155	29.867 .042 155	29.874 .044 150	29.856 .041 155	29.838 .039 150	29.845 .045 1826
23	MEAN S. D. TOTAL OBS	29.873 .037 155	29.876 .037 141	29.868 .046 155	29.839 .036 150	29.858 .045 155	29.856 .043 150	29.865 .045 155	29.889 .044 155	29.901 .044 150	29.882 .042 155	29.860 .042 150	29.869 .045 1826
ALL HOURS	MEAN S. D. TOTAL OBS	29.831 .047 1240	29.831 .050 1128	29.825 .056 1240	29.803 .048 1200	29.827 .052 1240	29.829 .049 1200	29.837 .051 1240	29.856 .051 1240	29.862 .053 1200	29.843 .053 1240	29.824 .050 1200	29.833 .053 16608



# MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

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SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

73-77

DIEGO GARCIA

70701

STATION NAME

YEARS

HRS. (L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN S. D. TOTAL OBS	1010.0 1.237 155	1010.2 1.268 141	1010.0 1.621 155	1009.2 1.294 150	1010.1 1.511 155	1010.2 1.418 150	1011.1 1.505 155	1011.1 1.526 150	1010.3 1.452 155	1009.7 1.486 150	1009.9 1.401 155	1010.2 1.523 1826
05	MEAN S. D. TOTAL OBS	1009.7 1.188 155	1009.7 1.277 141	1009.5 1.639 155	1008.8 1.330 150	1009.7 1.523 155	1009.9 1.445 150	1010.1 1.482 155	1010.7 1.468 155	1010.9 1.463 155	1009.7 1.401 150	1009.7 1.406 155	1009.9 1.523 1826
08	MEAN S. D. TOTAL OBS	1011.6 1.199 155	1011.5 1.272 141	1011.3 1.566 155	1010.5 1.288 150	1011.2 1.519 155	1011.3 1.459 150	1011.4 1.495 155	1012.2 1.485 155	1012.2 1.488 155	1011.6 1.298 150	1011.4 1.337 155	1011.6 1.502 1826
11	MEAN S. D. TOTAL OBS	1011.7 1.123 155	1011.8 1.299 141	1011.7 1.566 155	1011.0 1.211 150	1011.7 1.504 155	1011.9 1.436 150	1012.7 1.472 155	1012.7 1.494 155	1012.9 1.426 150	1011.4 1.295 150	1011.5 1.370 155	1011.9 1.480 1826
14	MEAN S. D. TOTAL OBS	1009.8 1.189 155	1009.7 1.269 141	1009.4 1.601 155	1008.6 1.198 150	1009.5 1.499 155	1009.7 1.411 150	1010.9 1.528 155	1010.6 1.479 155	1010.7 1.542 150	1009.3 1.283 150	1009.3 1.407 155	1009.7 1.500 1826
17	MEAN S. D. TOTAL OBS	1009.1 1.234 155	1008.9 1.297 141	1008.8 1.687 155	1008.3 1.282 150	1009.3 1.546 155	1009.4 1.446 150	1009.7 1.502 155	1010.2 1.484 155	1010.3 1.557 150	1008.8 1.241 150	1008.8 1.335 155	1009.3 1.545 1826
20	MEAN S. D. TOTAL OBS	1011.1 1.210 155	1010.9 1.295 141	1010.7 1.523 155	1010.0 1.312 150	1010.9 1.540 155	1011.2 1.468 150	1011.8 1.512 155	1012.1 1.414 155	1011.9 1.500 150	1010.9 1.294 150	1010.9 1.386 155	1011.1 1.491 1826
23	MEAN S. D. TOTAL OBS	1012.0 1.253 155	1012.2 1.237 141	1011.9 1.552 155	1010.9 1.226 150	1011.5 1.536 155	1011.5 1.433 150	1011.8 1.481 155	1012.6 1.483 155	1013.0 1.457 150	1011.6 1.391 150	1011.8 1.357 155	1011.9 1.497 1826
ALL HOURS	MEAN S. D. TOTAL OBS	1010.6 1.591 1240	1010.6 1.677 1128	1010.4 1.924 1240	1009.7 1.611 1200	1010.5 1.761 1240	1010.6 1.655 1200	1010.8 1.704 1240	1011.5 1.723 1240	1011.7 1.796 1200	1010.4 1.696 1200	1010.4 1.717 1240	1010.7 1.796 14608